

42. The work schedule sets the performance period for the project. The maximum time allowed for mitigation projects is 90 day increments a total of two times. Care should be taken when estimating times. Take into account time of year (w

[illegible]

WEST VIRGINIA SUB-RECIPIENT APPLICATION HAZARD MITIGATION GRANT PROGRAM

STATE OF WEST VIRGINIA HM SUB-GRANT APPLICATION PRE-CHECK
INITIAL EACH PERTANENT LINE ITEM TO INDICATE IT IS INCLUDED

PROJECT NAME:

State EOC Hardening / Shelter

PROJECT BUDGET:

\$5,000,000.00

Private Property Demolition Removal (Participation Packet)

X

COMPLETED HM GRANT APPLICATION

COMMITMENT LETTER OF 25% MATCH (if non-federal share is not available. Check with

X

the State for this item)

PROJECT TYPES

MITIGATION RECONSTRUCTION (Demo/Rebuild)

Design to International Building Code 2009 or later.

Floodplain, State and Local Ordinances.

Elevation Certificate

Construction Drawings (preliminary)

Maps and photographs of project sites

• Benefit Cost Analyst (Mitigation Reconstruction Cost Higher Than \$175,000.)

Complete home owner packet: Property Inventory Form, HM Voluntary

Participation Agreement, Assignment of Coverage - D, Increased Cost of

Compliance Coverage/NFIP and WV Hazardous Materials Property Survey

ELEVATION (Structurally Sound)

Elevation Certificate

Maps and photographs of project sites

Complete home owner packet: Property Inventory Form, HM Voluntary

Participation Agreement, Assignment of Coverage - D, Increased Cost of

Compliance Coverage/NFIP and WV Hazardous Materials Property Survey

ACQUISITION/DEMOLITION (in the flood way)

Maps And Photographs Of Project Site(s)

Complete home owner packet: Property Inventory Form, HM Voluntary

Participation Agreement, Assignment of Coverage - D, Increased Cost of

Compliance Coverage/NFIP and WV Hazardous Materials Property Survey

Submit the Original Mitigation Application and an Electronic Copy

Part 1: Applicant Data:

1. Project Title: WV DSHSEM EOC Hardening / Shelter Application
 FEMA Identifier: FEMA-4273-DR-WV
 2. Project Type: Elevation: _____ Mitigation Reconstruction: _____ Local Plan: _____
 Relocation: _____ Localized Flood Reduction: _____ Generator: _____
 Acquisition: _____ Flood-Proofing: _____ Other: _____
 3. State: WV 4. County: _____ 5. Community: _____
 6. FIPS Code: 054-00000 7. DUNS Number: 192434900
 8. Tax ID Number: 55-6001347 9. Community ID #: _____
 10. State Legislative District: _____
 11. State Congressional District: _____
 12. Federal Congressional District: 1,2,3
 13. Is the recipient of funds a private non-profit organization? Provided 501 (c)(3) _____
 14. Does the community participate in the NFIP? Yes _____ No _____
 15. If yes, what date did they enter the NFIP? 2/9/1971
 16. If no, when do you anticipate entering the NFIP? _____
 17. Is the community in good standing with the NFIP? Yes _____ No _____
 18. Does your community have an approved mitigation plan? Yes _____ No _____
 19. Mitigation Plan Name: 2013 WV Statewide Standard Hazard Mitigation Plan Update
 20. Mitigation Plan Expiration Date: 10/17/2018

THIS SECTION FOR STATE USE ONLY

Standard HMGP	Planning / Technical Assistance	Application Complete																																																																			
Initial Submission	Resubmission																																																																				
5% Initiative																																																																					
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Part 2: Contact Information:

21. Primary Point of Contact:

Name:	Brian Penix
Organization:	WVDHSEM
Address:	1746 Coonskin Dr.
	Charleston, WV 25311
Email:	brian.m.penix@wv.gov
FAX:	
Telephone:	304-957-2572
Job Title:	SHMO
Nickname:	

22. Alternate Point of Contact:

Name:	Jimmy Gianato
Organization:	WVDHSEM
Address:	Capitol Complex Building 1
	1900 Kanawha Blvd. E.
	Charleston, WV 25302
Email:	jimmy.j.gianato@wv.gov
FAX:	
Telephone:	304-558-5380
Job Title:	Director, WVDHSEM
Nickname:	

23. Application Preparer

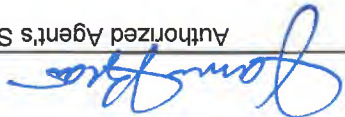

Name:	
Organization:	
Address:	
Telephone:	
FAX:	
Email:	
Nickname:	
Job Title:	

24. Directions and Physical Address to the

applicant office:

Take I-64 to Greenbrier Street North. Continue onto WV-114 N/Greenbrier Street. Turn left onto Coonskin Drive. I.D. is required for entry to the National Guard. Once past the guard station, continue on Coonskin Dr. to 1746 on the right.

Part 2a: Authorized Signatures:
The Authorized Agent and Chief Executive Officer (NOT the application preparer) MUST sign this for the application to be valid.

I certify that I am the Authorized Agent for the applicant having purview over the development and completion of this application, and all statements and information contained herein are true and accurate.	
Authorized Agent's Signature 	Name (Typed or printed) Jimmy Gianato
Date 3/12/18	Title Director, WVDHSEM
I certify that I am the Chief Executive Officer of the applicant and the above named individual is the authorized agent on	
Chief Executive Officer's Signature 	Name (Typed or printed) Jimmy Gianato
Date 3/12/18	Title Director, WVDHSEM

Before submitting this application, ensure you have provided all requested information. An incomplete application may result in an unfavorable evaluation, or delay grant funding.

Part 3: Assurances:
If the project is funded, the applicant must adopt an ordinance or other policy that demonstrates the community shall comply with the following (applicant, not applicant preparer, **MUST** initial each item.)

The applicant **MUST** designate an Authorized Agent for the Project.

All participants **MUST** sign a statement acknowledging the program is voluntary and, therefore, are not entitled to relocation assistance under URA.

Each potential property owner **MUST** be notified in writing that, for the purpose of this program, the community shall not use its power of eminent domain for any properties if a voluntary agreement is not reached.

The following restrictive covenants shall be conveyed in the deed to any property acquired:

The property shall be dedicated and maintained in perpetuity for uses compatible with open space, recreational or wetlands management practices; and no new structure(s) shall be built on the property as indicated below:

A public restroom; or

A structure that is compatible with open space, recreational or wetlands management usage and proper floodplain management policies and practices, which the Regional Administrator approves in writing before the construction begins. The premises shall remain in public ownership. After completion of the project, no application for additional disaster assistance shall be made for any purpose with respect to the property to any Federal entity or source, and no Federal entity or source will provide such assistance.

In general, allowable open space, recreational and wetlands management uses include parks for outdoor recreational activities, nature reserves, cultivation, grazing, camping (except where adequate warning time is not available to allow evacuation), temporary storage in the open of wheeled vehicles which are easily movable (except mobile homes), unimproved, previous parking lots, and buffer zones. In either event, any open space plans **MUST** have written approval from both FEMA **AND** the State.

Any structure built on the property according to the above stipulations, shall be flood-proofed or elevated to the ordinance freeboard. If the community lacks freeboard, then a minimum of the Base Flood Elevation plus two feet of freeboard is required.

A public meeting **MUST** be conducted to explain project policy and procedures.

Priority of mitigation reconstruction, elevation, relocation or acquisition of properties **MUST** be established in writing and publicized upon approval of the grant.

A standard policy of appraisal will be established for fair market value (FMV). Based on this appraisal, owners will be offered a FMV less any duplication of benefits as identified by FEMA.

In the event that the appraisal less duplication of benefits is a negative figure or less than the land only value, and the property owner still desires to sell the property in an acquisition project, the property owner will be offered the FMV of the land only (not the structure). However, the community will take deed to both the structure and land.

If subject property was purchased after the flood/event on an "as is" basis, the amount of the new post flood owner paid for the property plus any verifiable improvements will be the FMV offered. The post flood property owner will not be offered the pre-flood FMV if they were not the property owner during / before the event. In addition, any benefits the previous owner received for repair of the property will not be deducted from the offer. In no event will the offer to the post-flood owner exceed the pre-flood FMV.

Any tenants renting properties 90 days prior to the start of negotiations with the owner will be offered relocation assistance. Renter relocation assistance is formula driven but in no event will the relocation payment exceed \$7,200.00 plus actual moving expense.

Each property closing will be proceeded by a title search. The title **MUST** be clear of all liens before the community will take title to the property.

The property owner will agree to satisfy all liens or have the lien amount deducted from the purchase offer at the time of closing.

Current property owners will be responsible for the property taxes from the first of the tax year through the date specified by the community buyout policy. (e.g. either the date of closing or the date of the event) on a pro-rated basis.

Until the title is transferred, the property owner remains solely responsible for the property.

The community **WILL** submit to WVDHSEM copies of their Single Audit Report for the year in which the grant was received, and for each subsequent year that the community receives funding under this grant.

In the event that applicant fails to expend or is over advanced Federal and / or State disaster funds in accordance with Federal or State disaster assistance laws or programs, the Governor's Authorized Representative reserves the right to recapture funds in accordance with Federal or State laws and requirements.

The applicant will not enter into a contract with a contractor who is on the debarred contractors list.

The applicant will prohibit any employee, governing body, contractor, subcontractor or organization from participating in or presenting the appearance of a conflict of interest or kickbacks.

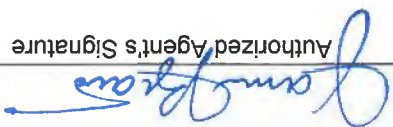
Budgeted line items **MUST NOT** be exceeded without prior written approval of the State **AND** FEMA. Any over-runs of budgeted items without authorization becomes the responsibility of the applicant. Failure to submit written requests for over-runs constitutes grounds for recapture of grant funds for non-performance.

Both the State and FEMA reserves the right to recapture funds for non-performance of the stipulations of the grant including any open space requirements in perpetuity or other maintenance requirements.

The applicant **MUST** agree to a drug free work environment and that no project funds will be used for lobbying. (Attach the corresponding assurances as part of this application).

Any changes to the scope of this grant **MUST** have the written approval of both FEMA **AND** the State. This includes changes to the budget, the participant list and timeline. Failure to submit written requests for changes in scope constitutes grounds for recapture of funds for non-performance.

Should our community be awarded FEMA funds to implement a mitigation project, we agree to the stipulations outlined above as conditions of receiving funds and implementing said project.

Authorized Agent Agreement:	
Authorized Agent's Signature 	Date 3/12/18
Jimmy Gianato Director, WVDHSEM	Title Director, WVDHSEM
Name (Printed or typed)	

Part 4: Project Location:
Describe, in detail, the location of your community's project. Include its topography and attach map(s) indicating all
The project is located on the West Virginia National Guard building 1703 which follows the same directions as above for
Coonskin Drive but located directly across the street.

Part 5: Explanation of the Problem / Event:

27. Describe in detail the event precipitating the need for this project and its effects on the community.

The State Emergency Operations Center (EOC) is currently located in the basement of the capitol complex building one. The capitol has been identified as being in the Special Flood Hazard Area (SFHA) for the Kanawha River. It further cannot support operations due to limitations in spacing as well as being vulnerable to both weather and human caused disasters. Structural Retrofitting of the existing structure for emergency management responders and officials and community leaders to assess the needs of their respective communities and determine the best ways to organize and strengthen their community's assets, capacities, and interests before, during and after a catastrophic event. This Hazard Mitigation project will include modifications to the structural elements of a building to reduce or eliminate the risk of future damage and to protect inhabitants. The structural elements of a building that are essential to protect or to prevent damage include foundations, load-bearing walls, beams, columns, building envelope, structural floors and roofs, and the connections between these elements.

EOC designed and construction will be to FEMA 361/ Standards if it is to be used as a shelter to house Emergency. First Responders that cannot evacuate, and that must stay behind, during natural hazard events will be safely housed at the EOC pre and post event. The engineering assessment from roof to foundation will provide data and recommendation for the feasibility of the mitigation project upgrades.

The envelope of the structure will be upgraded which includes reinforcing the roof, hardening of walls, upgrade and retrofit the windows to protect against winds, be fire resistant and water tight doors. Upgrade of EOC utilities, backup generator, communication equipment, essentials to provide emergency services pre/post event.

Hardening of the exterior walls is as follows, grout filled cement block with exterior stone facade. Some windows are level 4 ballistic and the bottom height of all windows is a minimum of 4' from the floor providing protection if the windows are compromised by gunfire. Interior passage way doors are all prison grade with mag locks. Interior glass is all security glass. All Doors are alarmed and monitored. 360° camera view including roof and selected interior areas. Electric power is backed up with # of generators which run independently and are capable of providing power individually. All mission critical equipment is located on elevated flooring with straps and alarms under the floor to detect moisture.

Part 6: Solutions to the Problem:

28. Proposed Activity:

EOC Hardening / Shelter

Describe in detail the proposed project activity.

--How will your proposed project address a repetitive problem, or one that poses a significant risk to public health and safety?

--Upon completion, how will the proposed project reduce the potential for future damages?

--Does the proposed project solve the problem independently, or in conjunction with other solutions? Please explain.

--Specify the number of properties / structures and the number of people that will be protected with the proposed project.

--Calculate the estimated cost, including the present cost of implementation and the future maintenance of the acquired property, as well as the potential future losses from natural disasters.

The current EOC is located in the SFHA in the basement of the main capitol building. It is susceptible to flooding, human terror incidents and access impediments. It further is not hardened for any conditions including weather events and human caused incidents. Upon completion, the new EOC will be capable of withstanding the forces of nature, man made events and will also become a shelter for the first responders should a situation arise. The hardening will be both interior and exterior and be self sufficient in both communications and utility systems.

29. Alternative 1: Construct a new EOC

Describe in detail another mitigation measure (e.g., elevation, wet or dry flood proofing, detention ponds, drainage ditches, etc.) that is a feasible alternative solution to the problem described.

--How will the mitigation measure solve the problem described?

--Explain how it is effective in addressing a recurrent or repetitive problem.

--Calculate the estimated cost, including the present cost of implementation and the future maintenance of the acquired property, as well as the potential future losses from natural disasters.

Constructing a new EOC would have the same hardening effects as retrofitting an existing structure but would be cost prohibitive. The State would be required to acquire land, construct the structure in accordance to FEMA 361 and provide the redundant systems described above. It would further have to ensure both structural safety from flood, wind, earthquake and human caused incidents. The addition of the land as well as the construction of the entire structure would have to be undertaken.

Alternative 2 Cost	\$0.00	Potential Losses (Benefits)	\$0.00
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30. Alternative 2: **No Action**

Describe in detail the effects that no action would have on the problem described.

--Explain the present and future effects of doing nothing to solve the problem.

--Identify the estimated present and future costs and losses of doing nothing.

Taking no action would mean the citizens of West Virginia would still be at risk when catastrophic disasters struck.

Part 7: Projected Source Funds:

- 38. Federal Share
- 39. State Share
- 40. In Kind Service
- 41. Other Source

\$3,750,000
\$0
\$0
\$1,250,000

Percent	75.00%
Percent	
Percent	
Percent	25.00%
Other is CDBG-DR	

Source	FEDERAL
Source	STATE
Source	COMMUNITY
Source	OTHER

Part 8: Estimated Budget (Non-MT Reconstruction and Other):

Special care needs to be taken when estimating the project budget to ensure that the community doesn't underestimate. An under-estimated budget can lead to a cost over-run which could result in delays and even cancellation of the grant due to non-performance. If in doubt, estimate high.

NOTE: SUBMIT YOUR BUDGET WORKSHEET JOB AID WITH THIS APPLICATION!

Phase I:

A. Design Facility (Phase I)	\$145,000
B. Architectural Services (Phase I)	\$55,000
C. Structural Engineering and Design (Phase I)	\$17,000
D. Mechanical and Utility Design (Phase I)	\$22,000
E. Feasibility assessment consultation	\$20,000
Sub-Total	\$259,000

Phase II:

F. Estimated Construction upgrade Cost [Phase II]	\$3,000,000
G. Estimated Roof and Structural upgrades	\$750,000
H. Site work preparation/mobilization/Demobilization	\$50,000
Sub-Total	\$3,800,000

Generators / Independent Water

I. Emergency Generators	\$325,000
J. Independent Water Supply	\$308,000
K. Independent Waste Water	\$308,000
L.	\$0
Sub-Total	\$941,000

Project Management:

M.	\$0
N.	\$0
O.	\$0
P.	\$0
Q.	\$0
R.	\$0
S. Travel Fees	\$0
T. Office Supplies / Equipment Fees	\$0
U. Phone Fees	\$0
W. Project Manager Fees	\$0
X. Time and Attendance Fees	\$0
Y. Other Project Management Fees (Give Details)	\$0
Sub-total	\$0

Other Project Expenses (Give Details):

AA.	\$0
BB.	\$0
CC.	\$0
DD.	\$0
Sub-total	\$0
GRAND TOTAL	\$5,000,000

Part 8a: Estimated Budget (MT Reconstruction ONLY):

Special care needs to be taken into account for Mitigation Reconstruction funding. Line items are for the major items found in a reconstruction. INCLUDE THE MITIGATION RECONSTRUCTION WORKSHEET WITH YOUR APPLICATION!

NOTE: SUBMIT YOUR BUDGET WORKSHEET JOB AID WITH THIS APPLICATION!

39. Project Scoping:

A. Property Verification (Legal)	\$0
B. Preliminary Elevation Determination	\$0
C. Environmental Site Assessment Phase	\$0
D. Engineering Feasibility Study (e.g., Can an existing structure be elevated? Is mitigation reconstruction feasible?)	\$0
E. Benefit-Cost Analysis	\$0
F. Title Search	\$0
Sub-Total	\$0

40. Pre-construction Activities:

G. Site Survey	\$0
H. EHP Testing / Analysis	\$0
I. Permitting	\$0
J. Architectural Design and Plan Development	\$0
K. Architectural Plan Review	\$0
Sub-Total	\$0

41. Construction Activities Exterior:

L. Disposal of routine asbestos, lead-based paint, and household	\$0
M. EHP mitigation	\$0
N. Demolition NOT covered by 407 Mitigation	\$0
O. Erosion control / grading / drainage	\$0
P. Utility Connections	\$0
Q. Site Stabilization (e.g., Seeding)	\$0
R. Walkways and Driveways	\$0
S. Elevated Foundation Construction	\$0
T. Inspection of Foundation System	\$0
U. Framing	\$0
V. Exterior Doors	\$0
W. Windows (includes protection)	\$0
X. Access / Egress	\$0
Y. Exterior Cladding	\$0
Z. Roofing	\$0
Sub-Total	\$0

42. Construction Activities Interior:

AA. Drywall	\$0
AB. Trim	\$0
AC. Painting	\$0
AD. Interior Doors	\$0
AE. Insulation	\$0
AF. Interior Partitioning	\$0
Sub-total	\$0

43. Construction Activities Utility Equipment:

AG. Heating, Ventilation, and Air Conditioning	\$0
AH. Plumbing	\$0
AI. Electrical	\$0
AJ. Hot Water System	\$0
Sub-total	\$0

44. Construction Activities Fixtures:	
AK. Sinks / Toilets / Showers	\$0
AL. Lighting	\$0
AM. Cabinets and Countertops	\$0
AN. Flooring	\$0
Sub-total	
	\$0
45. Construction Finalization and Certification:	
AO. Building Inspections	\$0
AP. Certificate of Occupancy	\$0
AQ. Final Elevation Certificate	\$0
AR. Tenant Displacement Costs	\$0
AS. Recorded Final Deed Restriction Costs (Legal)	\$0
Sub-total	
	\$0
GRAND TOTAL	
	\$0

42. The work schedule sets the performance period for the project. The maximum time allowed for mitigation projects is 3 years (1095 Days). If the community under-estimates the project time, delays can occur while extension requests are processed. Furthermore, extensions can only be granted in 90 day increments a total of two times. Care should be taken when estimating times. Take into account time of year (weather factor) when estimating.

42. The work schedule sets the performance period for the project. The maximum time allowed for mitigation projects is 3 years (1095 Days). If the community under-estimates the project time, delays can occur while extension requests are processed. Furthermore, extensions can only be granted in 90 day increments a total of two times. Care should be taken when estimating times. Take into account time of year (weather factor) when estimating.

Part 10: Property Inventory Summary:

43. List all the properties, in alphabetical order, to be considered in this application. Properties that are to be considered "over subscription" MUST be marked as such. Properties not on this inventory will not be considered for this project. Ensure that the sequence number matches the property site inventories and that all the inventories are accounted for. This number will be used later in the project to identify the structure.

[illegible]

44. List all renters that qualify for the Uniform Relocation Assistance Act (URA) funding here. To qualify for URA, a renter must have occupied the property 90 days prior to negotiations (closing). Occupation at the time of the event does NOT qualify a tenant for URA if they have moved because of the event.

Page 19 of 25

Part 12: Environmental, Historical and Socioeconomic Information:

45. For each Hazard Mitigation alternative your community is considering, answer "Yes", "No", "Possibly" or "Don't Know" to each question. Then compare the columns. The column with the most "No" answers is the most community-friendly alternative.

Proposed Activity	Alternative	No Action
-------------------	-------------	-----------

Socioeconomic and Land Use Issues

46. Will the project hinder or violate general land use in the area?	No	Possibly	No
47. Will the project conflict with local zoning ordinances?	No	No	No
48. Will any structures be relocated?	No	No	No
49. Will the project negatively affect area economic activities?	No	No	No
50. Will the project have a disproportionately high or adverse impact on a minority or low income population?	No	No	Yes
51. Will the project decrease or hinder prime farmland?	No	No	No

Natural Resources

52. Will marine, aquatic or terrestrial vegetation be removed?	No	No	No
53. Will there be construction in marshlands or wetlands?	No	No	No
54. Will the project adversely affect any wetland areas?	No	No	No
55. Will the project impact wetlands? (flood, drain, excavate, dredge, fill, shade, etc.)	No	No	No
56. Do endangered or rare species live in the project area?	Unknown	Unknown	No
57. Is the project area in or near a wildlife conservation area?	Possibly	Possibly	No

Natural Resources

58. Are there any properties that appear to be 50 years of age included in your project? (if yes, please provide a list of these properties with the owner(s) name, address, map and parcel numbers and photographs of all four sides of the structure).	Yes	No	Yes
59. Does the project area have any archeological, cultural or historical significance?	No	Unknown	No
60. Is your project located within or near a National Register listed historic district, or are any of the properties individually listed on the National Register of Historic Places? (if in or near a district, please enclose a sketch map of the district, which outlines the project targets.)	No	No	No
61. Has the project properties / neighborhood ever been reviewed for its eligibility for the National Register of Historic Places?	No	No	No
62. Has a survey to locate archeological sites and / or historic structures been carried out on the project area? If so, please provide a copy of the survey with this application indicating the date of the survey, the firm who did the survey, and if the survey is on record with the State Historic Office.	No	No	No
63. Will the project require excavation or disturbance of soil?	Yes	Yes	No
64. Has there been a public meeting, which provided an opportunity for public comment regarding various mitigation options? If yes, please attach details describing the meeting venue(s), date(s), and attendance.	Yes	No	No
Total "No" Responses	14	14	12

Part 13: Environmental Information:

65. Consider hazardous materials that may be found on the properties you plan to mitigate. Answer "Yes," "No," "Possibly," or "Don't know" to each of the following questions. If the answer is "Yes" for even one property, then answer "Yes" to the question. For any question to which you answered "Yes" or "Possibly," please attach additional pages using "overflow" explaining each hazardous material and planned abatement. If there is enough room on this page to answer any question other than "no", you may answer them on this page.

No	66. Were the properties previously or are the properties currently used for commercial, light industrial, transportation or institutional purposes?
No	67. Are there any above ground storage tanks, underground storage tanks, or leaking storage tanks present on the properties?
No	68. Is there presently, or has there been in the past, any generation, treatment, storage, disposal, release, or spill of petroleum products, solid or hazardous substances and/or wastes, other than normal quantities of household substances on the properties?
No	69. Have unusual odors or discoloration been noticed in the soil, or drinking or surface water on or near the properties?
No	70. Are there any past or ongoing environmental investigations conducted by federal, state, local government agencies, or private firms; or Occupational Safety and Health Administration (OSHA) citations or notices of violation on the properties related to environmental or toxic hazards?
No	71. Will there be abatement of any hazardous materials (e.g., lead, asbestos, septic tanks, heating oil tanks, etc.) on any of the properties? Identify and describe.
Possibly	72. Are there any other issues or concerns associated with hazardous or toxic materials on the properties? (i.e. Asbestos siding and roofing material)
Possibly	

Part 14: Historical and Socioeconomic Narrative Questions:

Please respond to the following in regard to the community's proposed solution.

73. Identify and describe any historic resources on or near any of the properties. Explain how the project will affect those historic resources.

74. Identify and describe any archeological sites on or near any of the properties. Explain how the project will affect those archeological sites.

75. Identify and explain any significant cultural or social issues that might affect or be affected by the project.

76. Identify and explain any economic concerns or issues that might affect or be affected by the project. Failure to implement the project could leave the State vulnerable to catastrophic disaster without response. The economic impact of such a disaster is considered to be in the millions as well as a significant loss of life.

Part 15: Public Notification Sources:

77. Federal and State law requires public participation associated with the project. Please state below the media outlets used in your project area to ensure public participation.

Local Newspaper Name
Address 1
Address 2
Phone Number

Circulation Type (Daily, weekly, if weekly, what day of the week is

Newspaper most often read (if different from above)

Other Media Outlet Name
Address 1
Address 2
Phone Number
Distribution Day?

Attach copies of any articles to this application.

Part 16: Post Project Land Use (Acquisition / Demolition only):

78. Describe the community's intentions for the use of any acquired land after project completion.

State on the line provided below who will maintain the project (Community where the project work occurred).

Community or private non-profit environmental entity maintainer:

WVDHSEM

Part 17: Agency Contacts:

THIS SECTION FOR STATE / FEMA USE ONLY	
Identify the State and Federal agencies contacted in the development of the project and in the preparation of the environmental	
State Historic Preservation Office	
US Fish and Wildlife	
State Division of Environmental Protection	
State Division of Natural Resources	
US Department of the Interior	
US Environmental Protection Agency	
US Geological Survey	
US Natural Resources Conservation Service	
State Department of Social Services (DHHR)	
Other (Specify)	

79. The applicant should contact the following agencies for acquisition / demolition and relocation projects for notification

State Department of Transportation	Date of Contact	Date of Response
	N/A	N/A
	N/A	N/A
Army Corps of Engineers	Date of Contact	Date of Response
	N/A	N/A
	N/A	N/A

81. Use the space below to name and number ALL the attachments and enclosures. If you need more lines, use the "overflow" tab below.

81. Use the space below to name and number ALL the attachments and enclosures. If you need more lines, use the "overflow" tab below.

Before submitting this application, ensure you have provided all requested information. An incomplete application may result in an unfavorable evaluation, or delay grant funding. List all attachments and enclosures on the next page.

Be sure to include the following:

N/A	Individual Participant Forms
X	4 Photos (per Structure)
N/A	Property Tax Records
X	Maps of project areas
X	Street maps
N/A	Resolutions supporting the application
N/A	Clearance letters from DOT
N/A	Clearance letters from ACOE
N/A	Authorized agent resolution
N/A	Elevation Certificates
X	Construction Drawings Preliminary (Mitigation)
X	Benefit Cost Analysis
N/A	Letters from environmental agencies
N/A	Advertisements (Public notices) for project meetings
N/A	Sign-in sheets for public meetings
N/A	Letters on fair housing, hazardous materials and minority
X	Engineering documents

[illegible]

Building Size and Use: The existing drill hall for the WVARNG Armory is approximately 7,000 SF in size and is used for drill exercises (troop formations, etc.) and assemblies (instructional/informational).

Building Value: The approximate value of the existing WVARNG Armory Drill Hall building is \$2,100,000.00 (based on current construction values). The approximate value of the new EOC (building only) is \$3,500,000.00 (based on current construction values; building equipment/furnishings would add approximately \$1,000,000.00 to this construction value).

Building Contents: The building currently contains two wall-mounted basketball hoops, tables, chairs and a stage.

Displacement Costs: The rental cost for room(s) of comparable size at the Charleston Civic Center for the drill hall/EOC purposes is approximately \$2,500.00 per day.

Rent and Business Income: The rental rate for the Drill Hall breaks down as follows.

Commercial Rental Rate: Flat fees below may be used if fees are based on rates below and an estimate of the number of persons who would normally attend this type of event or activity is used.

Admission Charged: 30 cents per person or 10% of the Admission Charge (exclusive of taxes) whichever is greater
No Admission Charged: 30 cents per person plus 5% of gross revenue (concessions, programs, souvenirs, other articles, auctions) (exclusive of taxes)

Flat Rental Fees:

\$40.00 (0-200 persons)

\$80.00 (200-400 persons)

\$100.00 (over 400 persons)

Non-Commercial Rental Rate: Flat fees below may be used if fees are based on rates below and an estimate of the number of persons who would normally attend this type of event or activity is used.

Admission Charged: 30 cents per person or 10% of the Admission Charge (exclusive of taxes) whichever is greater
No Admission Charged: 30 cents per person plus 5% of gross revenue (concessions, programs, souvenirs, other articles, auctions) (exclusive of taxes)

Flat Rental Fees:

\$60.00

Charges for all drill hall rentals (commercial or non-commercial) include the following fees.

Operating Charges:	\$15.00
Utilities:	\$15.00
Variable Operating Charges:	\$21.63/hr (Caretaker Rate) \$10.63/hr (Extra Help Rate) \$1.00 ea. (Tables over 30) \$10.00 (Ice, 0-200) \$2.00 per section (Wood Stage, 8 Sections)
Managerial Committee:	20% TOTAL FEE (Maximum)
Clerical Fees:	\$10.00 per contract (Maximum)

Building Size and Use: The existing drill hall for the WVARNG Army is approximately 7,000 SF in size and is used for drill exercises (troop formations, etc.) and assemblies (instructional/informational).

Building Value: The approximate value of the existing WVARNG Army Drill Hall building is \$2,100,000.00 (based on current construction values). The approximate value of the new EOC (building only) is \$3,500,000.00 (based on current construction values; building equipment/furnishings would add approximately \$1,000,000.00 to this construction value).

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\$40.00 (0-200 persons)

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\$10.00 (Ice, 0-200)

\$2.00 per section (Wood Stage, 8 Sections)

20% TOTAL FEE (Maximum)

\$10.00 per contract (Maximum)

Clerical Fees:

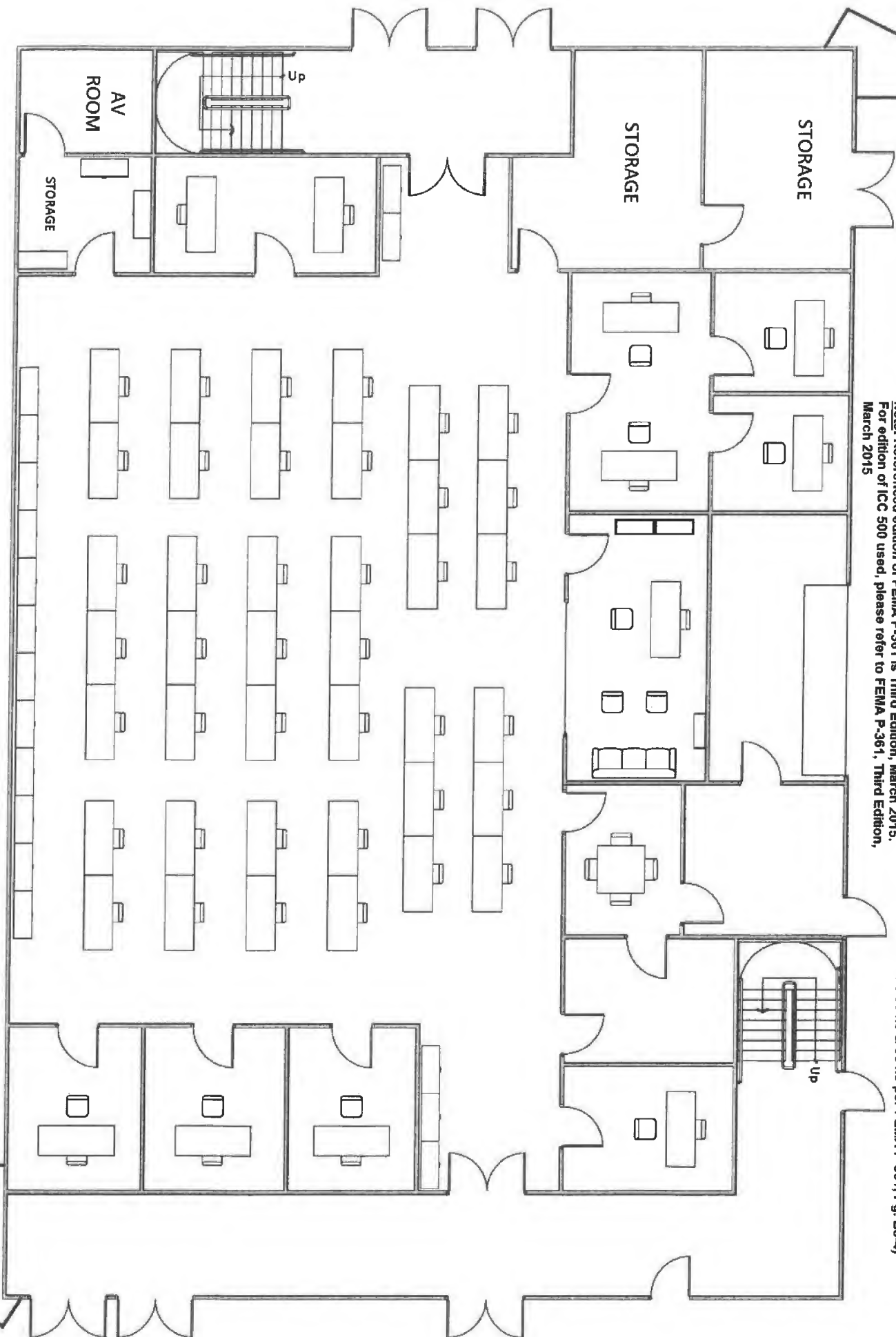
Managerial Committee:

Walls, doors and other exterior openings designed for 250 MPH wind per FEMA P-361 (pg. B3-7, Figure B3.1 and Pg. 3-14, Tornado wind speed design speed notation) and in consideration of safe rooms within host building (ICC 500 Sections 304.8 & 304.9 per FEMA P-361, Pg. B3-4)

Note: Structure mounted to existing concrete slab or a replacement slab below proposed multi-use safe room. Latest in ICC 500 Storm Shelter and FEMA Safe Room Requirements presentation by Bob Franke, FEMA Region VII

Note: Referenced edition of FEMA P-361 is Third Edition, March 2015. For edition of ICC 500 used, please refer to FEMA P-361, Third Edition, March 2015

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First Floor of Multi-Use Safe Room located at Charleston WVWG JFHQ on existing Drill Hall floor

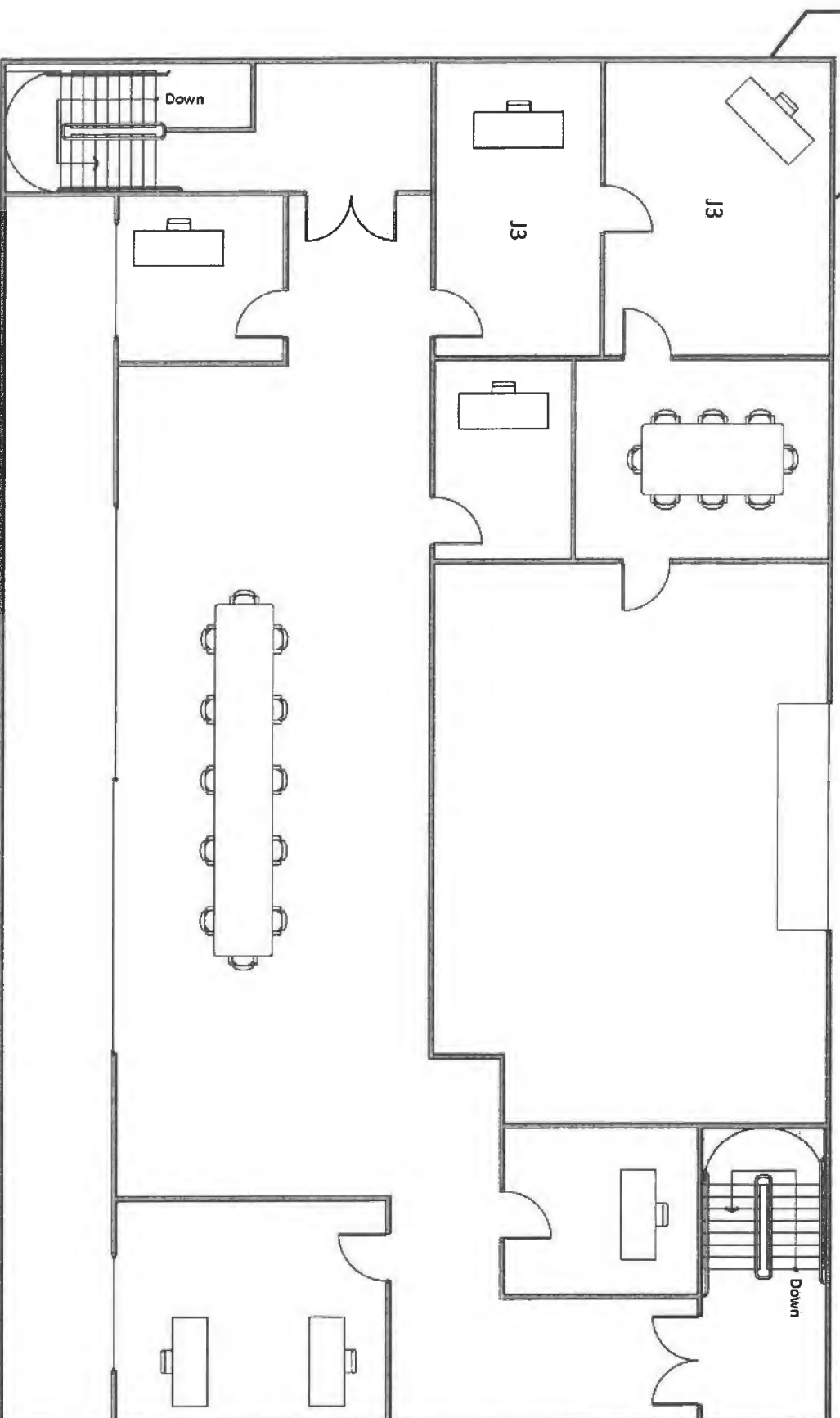
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Note: Roof of interior structure to be designed according to FEMA P-361 and related editions of ICC 500 and ASCE 7-10.

Note: Structure mounted to existing concrete slab or a replacement slab below proposed multi-use safe room per "at least in ICC 500 Storm Shelter and FEMA Safe Room Requirements" presentation by Bob Franke, FEMA Region VII

Note: Referenced edition of FEMA P-361 is Third Edition, March 2015. For edition of ICC 500 used, please refer to FEMA P-361, Third Edition, March 2015



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Second Floor of Multi-Use Safe Room located at Charleston WVNG JFHQ on existing Drill Hall floor

Building Size and Use: The existing drill hall for the WVARNG Armory is approximately 7,000 SF in size and is used for drill exercises (troop formations, etc.) and assemblies (instructional/informational).

Building Value: The approximate value of the existing WVARNG Armory Drill Hall building is \$2,100,000.00 (based on current construction values). The approximate value of the new EOC (building only) is \$3,500,000.00 (based on current construction values; building equipment/furnishings would add approximately \$1,000,000.00 to this construction value).

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Flat Rental Fees:	\$40.00 (0-200 persons)
	\$80.00 (200-400 persons)
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Flat Rental Fees:	\$60.00
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Charges for all drill hall rentals (commercial or non-commercial) include the following fees.

Operating Charges: \$15.00

Utilities: \$15.00

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\$10.00 (Ice, 0-200)

\$2.00 per section (Wood Stage, 8 Sections)

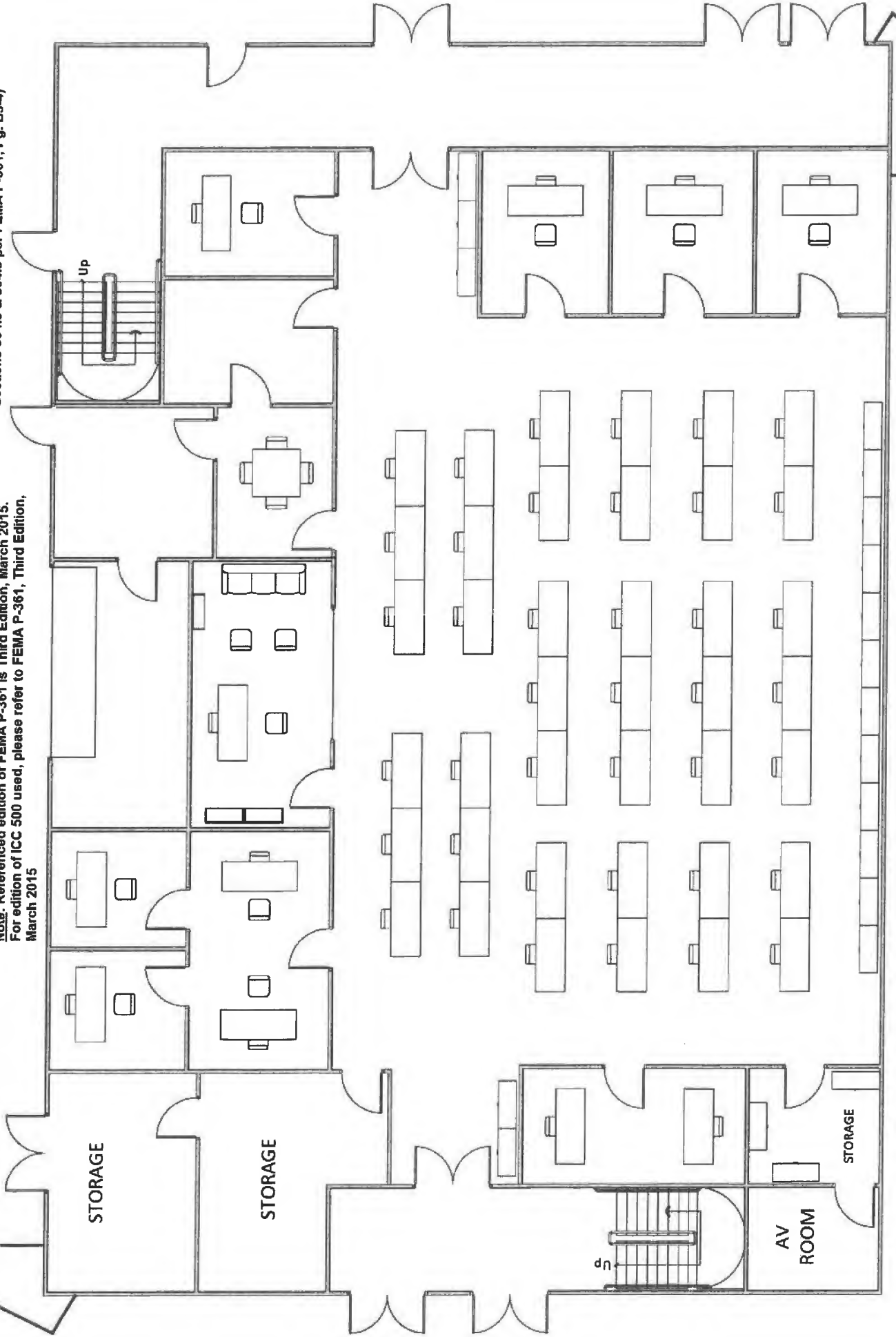
Managerial Committee: 20% TOTAL FEE (Maximum)

Clerical Fees: \$10.00 per contract (Maximum)

Walls, doors and other exterior openings designed for 250 MPH wind: FEMA P-361 (pg. B3-7, Figure B3.1 and Pg. 3-14, Tornado wind speed design notation) and in consideration of safe rooms within host building (ICC 500 Sections 304.8 & 304.9 per FEMA P-361, Pg. B3-4)

Note: Structure mounted to existing concrete slab or a replacement slab below proposed multi-use safe room. "Latest in ICC 500 Storm Shelter and FEMA Safe Room Requirements" presentation by Bob Franke, FEMA Region VII

Note: Referenced edition of FEMA P-361 is Third Edition, March 2015. For edition of ICC 500 used, please refer to FEMA P-361, Third Edition, March 2015



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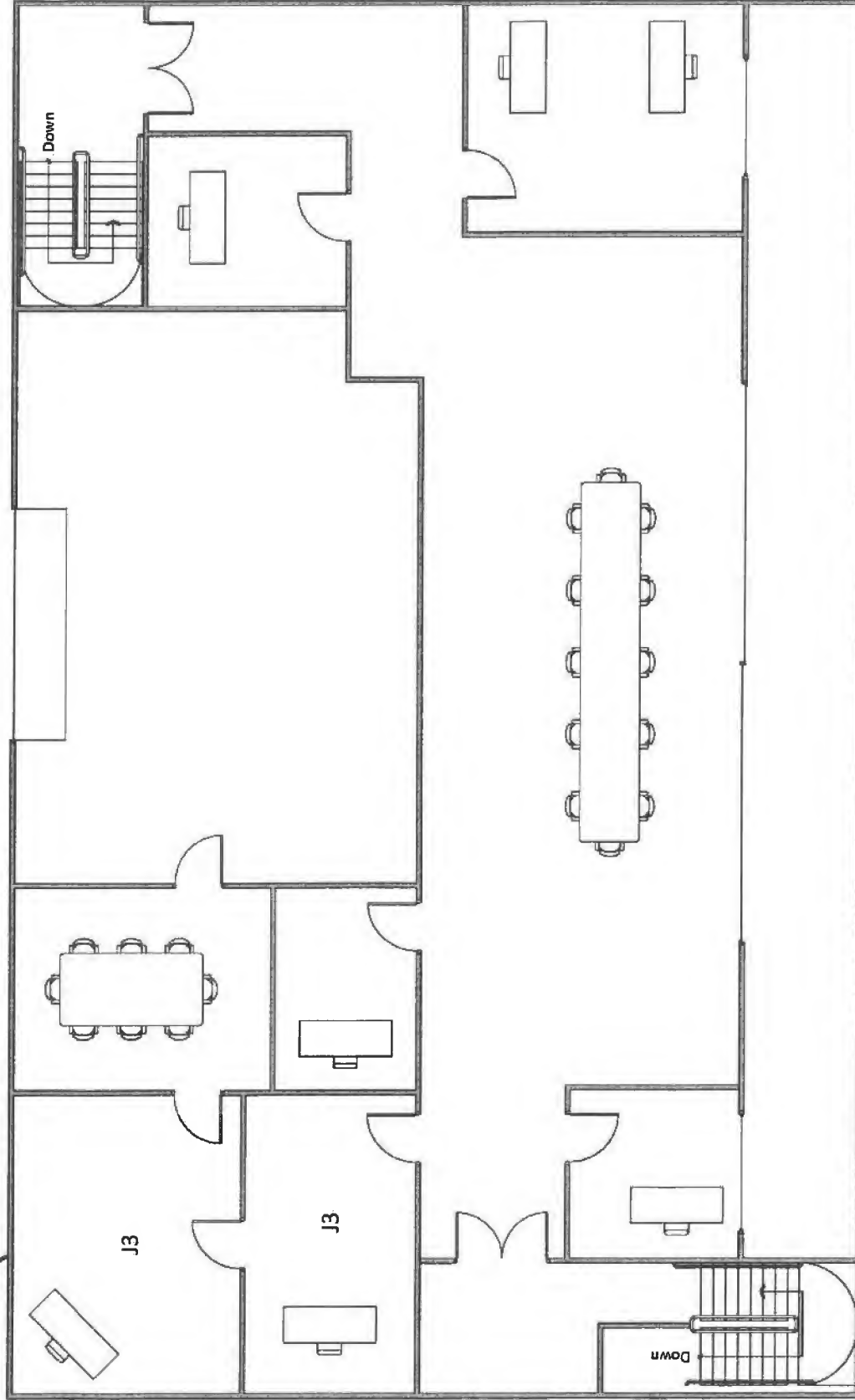
First Floor of Multi-Use Safe Room located at Charleston WVNG JFHQ on existing Drill Hall floor

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Note: Roof of interior structure to be designed according to FEMA P-361 and related editions of ICC 500 and ASCE 7-10.

Note: Structure mounted to existing concrete slab or a replacement slab below proposed multi-use safe room per "Latest in ICC 500 Storm Shelter and FEMA Safe Room Requirements" presentation by Bob Franke, FEMA Region VII

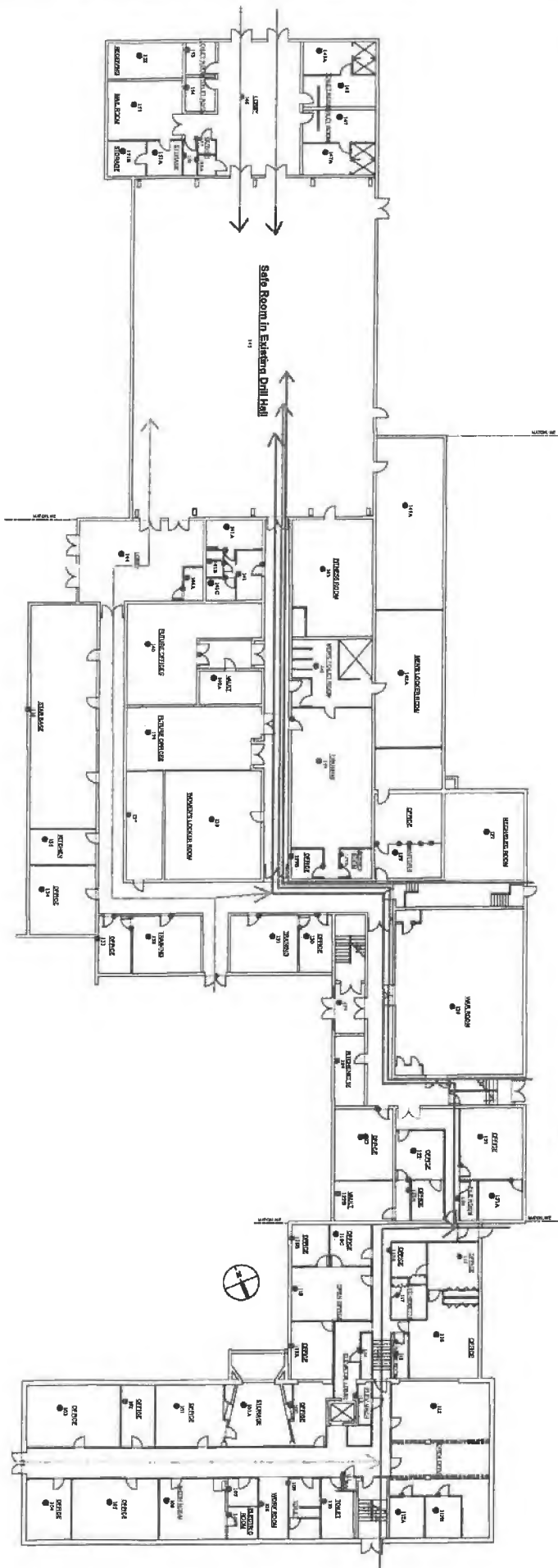
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Second Floor of Multi-Use Safe Room located at Charleston WVNG JFHQ on existing Drill Hall floor

West Virginia National Guard Armory Main Building Floor Plan



NOTE: Color lines indicate the paths of entrance available to the safe room area from the interior and exterior of the existing building

Various paths of entrance to safe room area

West Virginia National Guard Armory Main Building Floor Plan

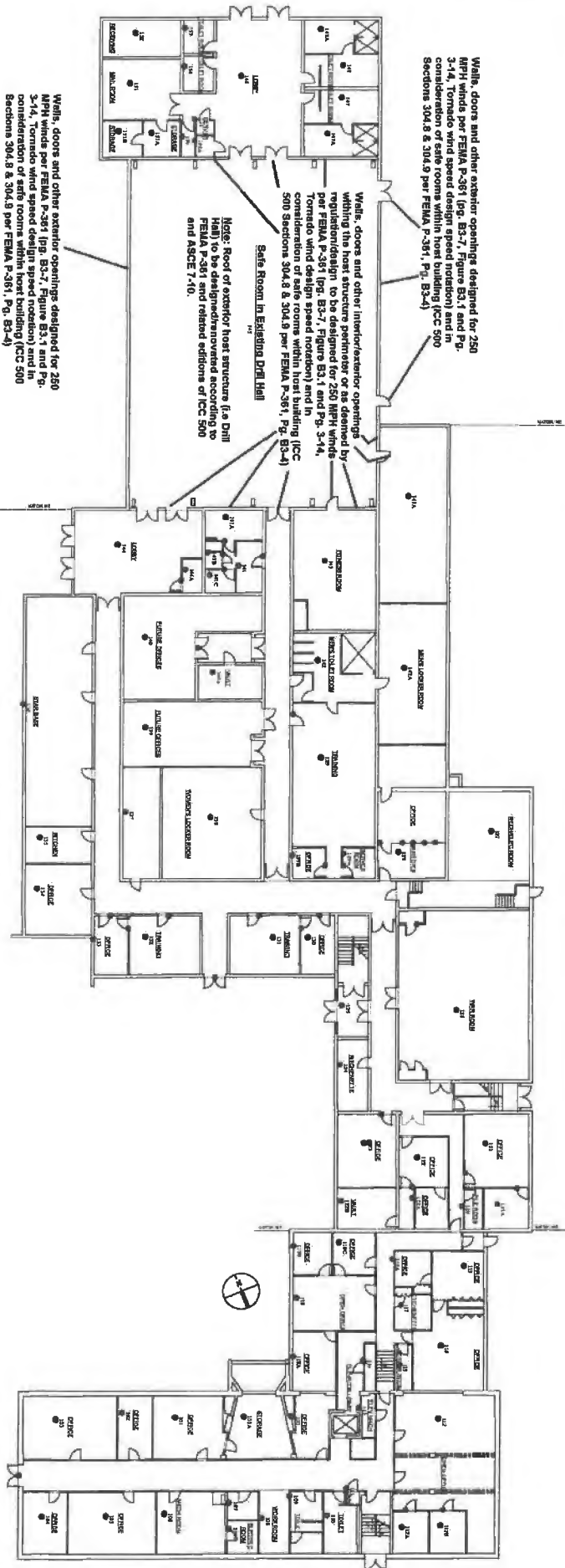


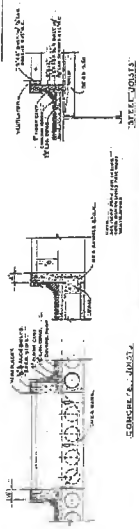
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Walls, doors and other interior openings with the host structure designed by registration to be designed for 250 MPH winds per FEMA P-361 (Pg. B3-7, Figure B3.1 and Pg. 3-14), Tornado wind speed design speed notation) and in consideration of safe rooms within host building (ICC 500 Sections 304.8 & 304.9 per FEMA P-361, Pg. B3-4)

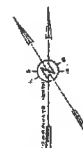
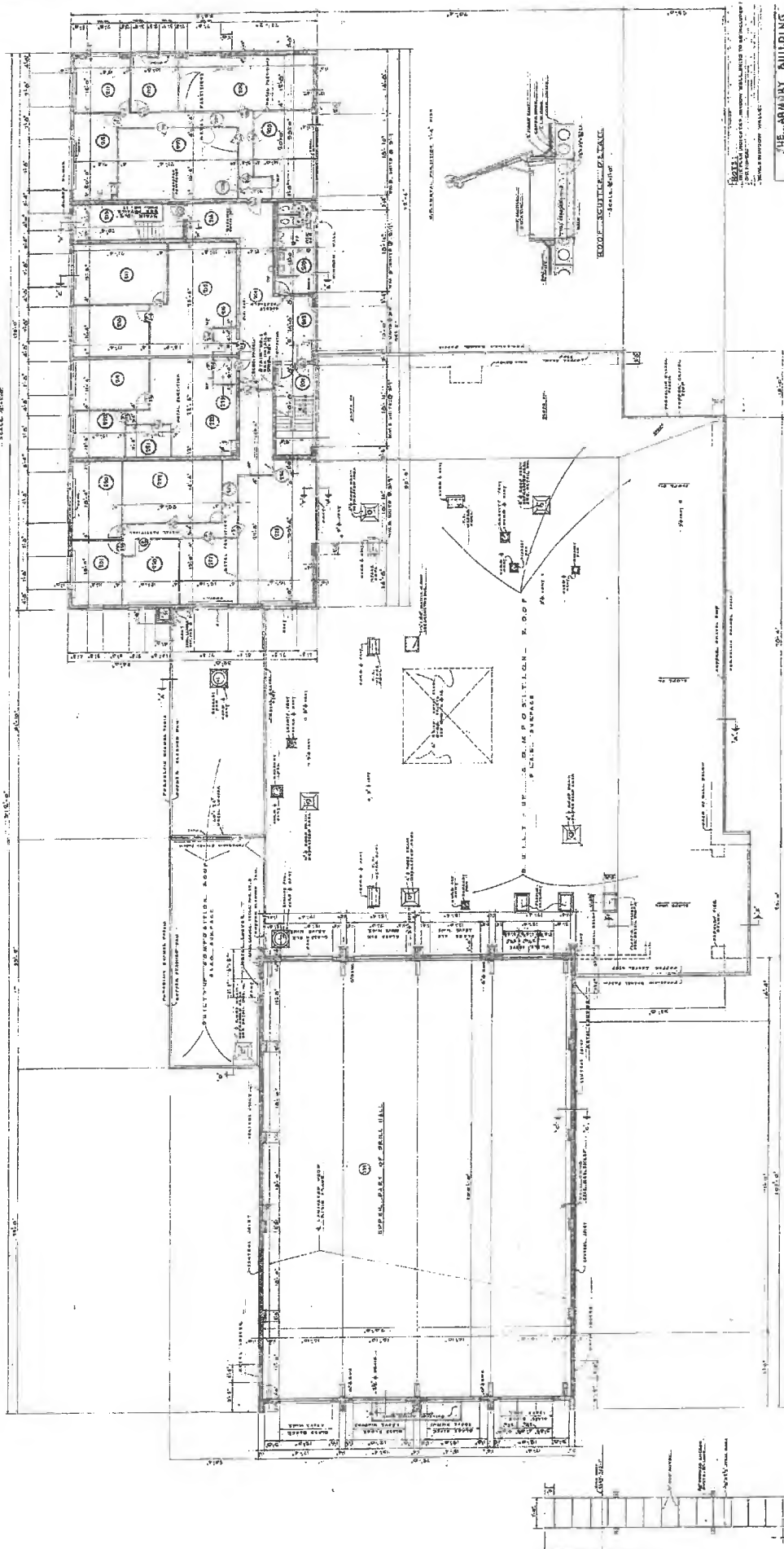
Note: Roof of exterior host structure (i.e. Drill Hall) to be designed/reinforced according to FEMA P-361 and related editions of ICC 500 and ASCE 7-10.

Walls, doors and other exterior openings designed for 250 MPH winds per FEMA P-361 (Pg. B3-7, Figure B3.1 and Pg. 3-14), Tornado wind speed design speed notation) and in consideration of safe rooms within host building (ICC 500 Sections 304.8 & 304.9 per FEMA P-361, Pg. B3-4)





TYPICAL CURB DETAILS

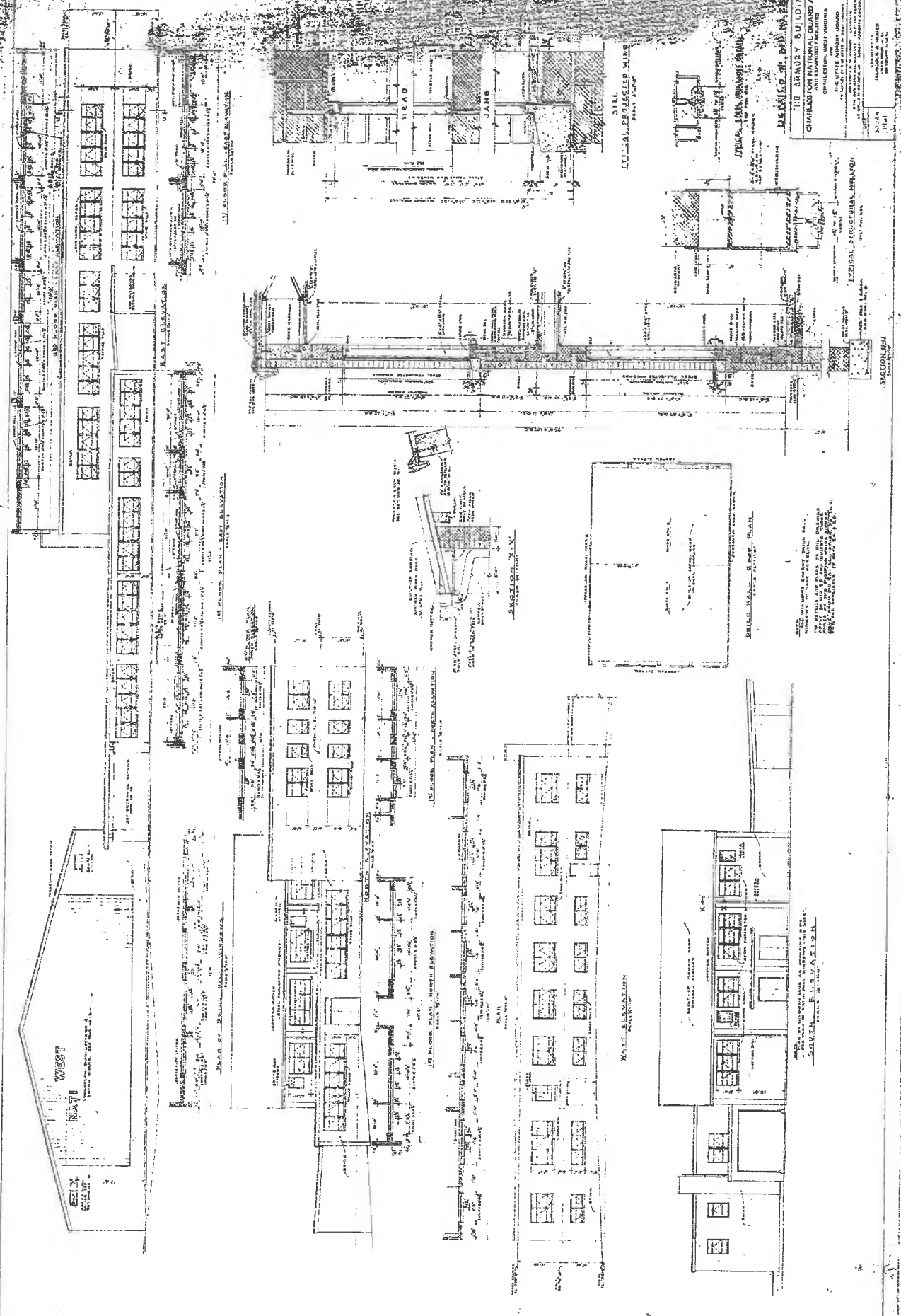


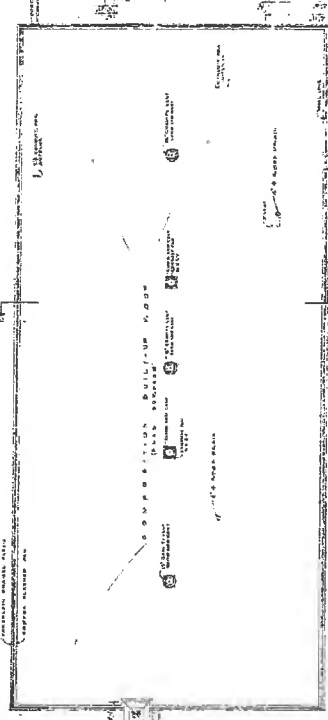
SEE PLAN FOR DETAILS

SECOND FLOOR - LOW LEVEL - ROOF PLAN

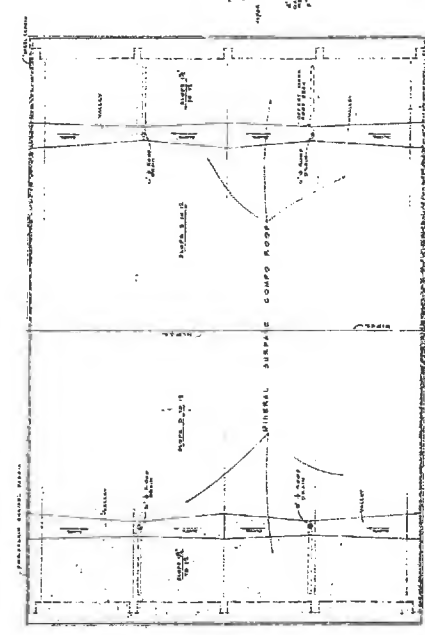


THE ARMY BUILDING
CHARLESTON NATIONAL GUARD ARM
CHARLESTON, SOUTH CAROLINA
THE STATE ARCHITECT
AS SHOWN ON THE PLAN OF THE BUILDING
1. THE BUILDING IS TO BE CONSTRUCTED OF CONCRETE AND STEEL.
2. THE BUILDING IS TO BE CONSTRUCTED OF CONCRETE AND STEEL.
3. THE BUILDING IS TO BE CONSTRUCTED OF CONCRETE AND STEEL.

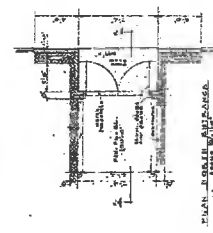




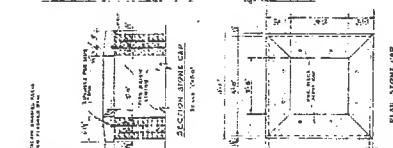
ROOF PLAN - WAREHOUSE WING



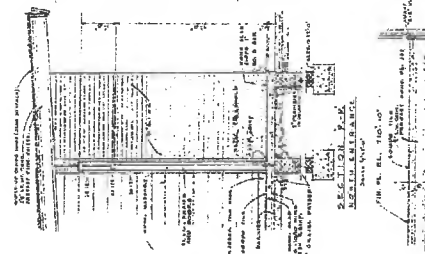
MAIN WAREHOUSE WING



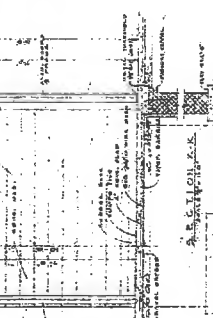
DRILL HALL ROOF PLAN



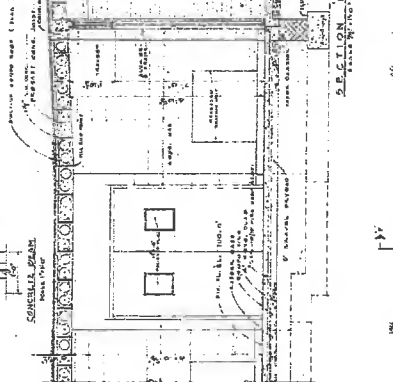
MAIN WAREHOUSE WING



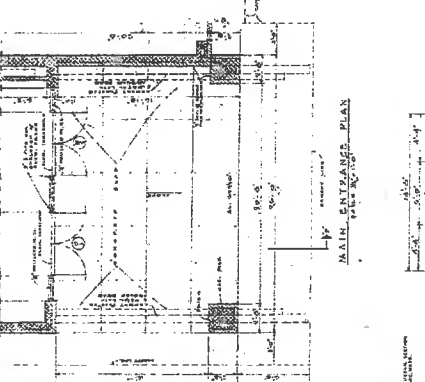
MAIN WAREHOUSE WING



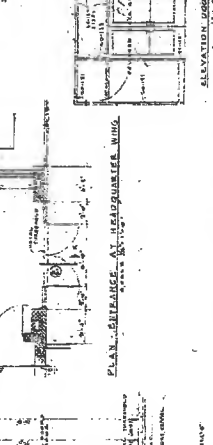
DRILL HALL ROOF PLAN



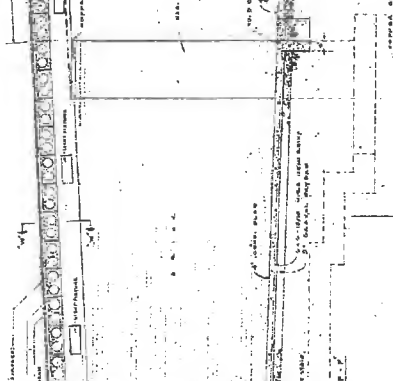
MAIN WAREHOUSE WING



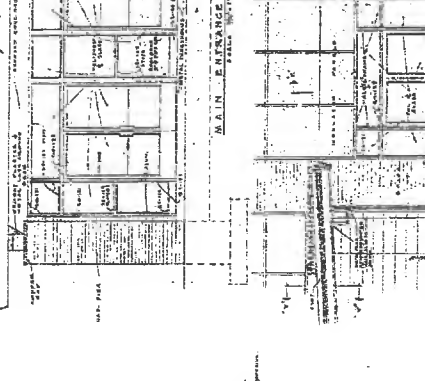
MAIN WAREHOUSE WING



DRILL HALL ROOF PLAN



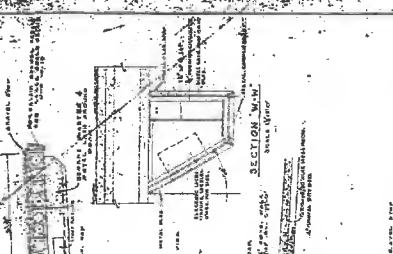
MAIN WAREHOUSE WING



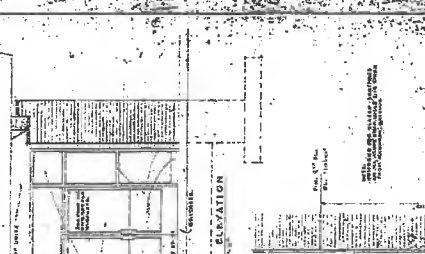
MAIN WAREHOUSE WING



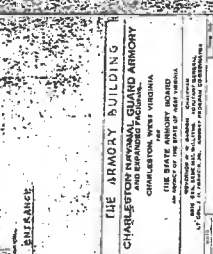
DRILL HALL ROOF PLAN



MAIN WAREHOUSE WING

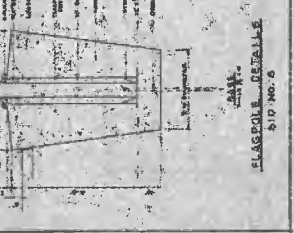
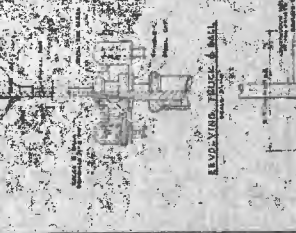
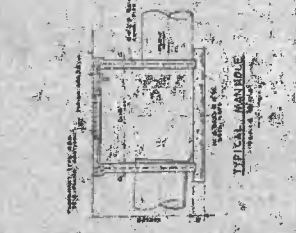
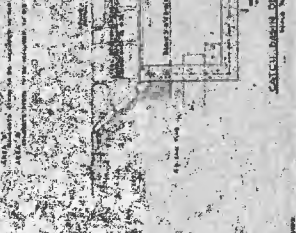
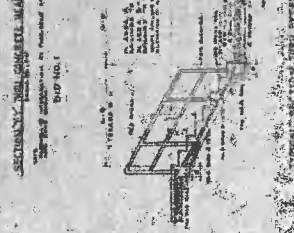
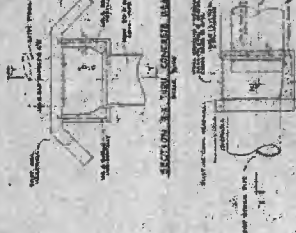
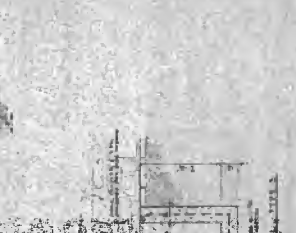
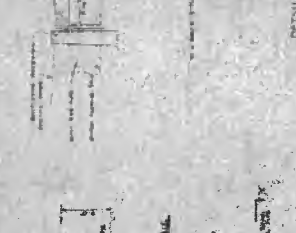
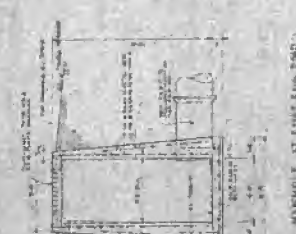
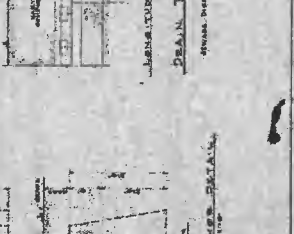
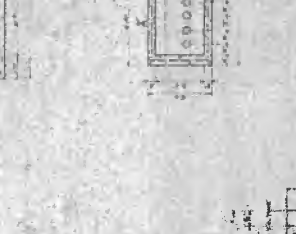
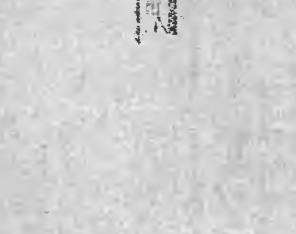
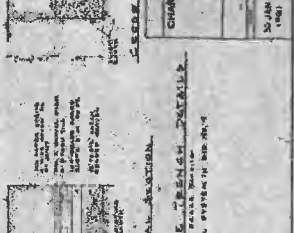
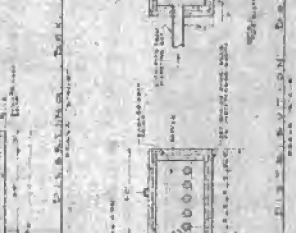
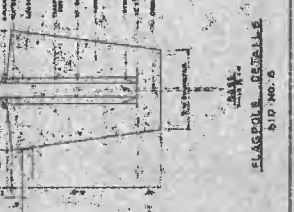
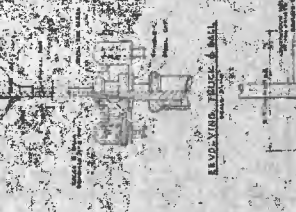
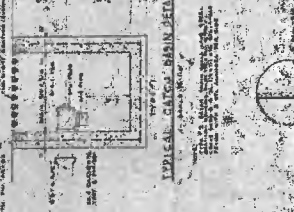
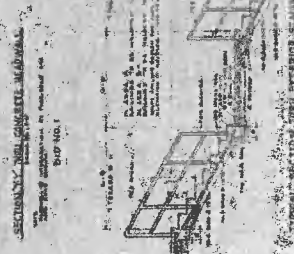
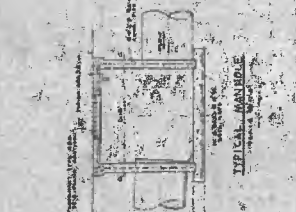
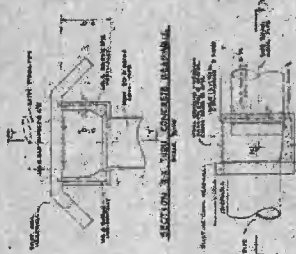
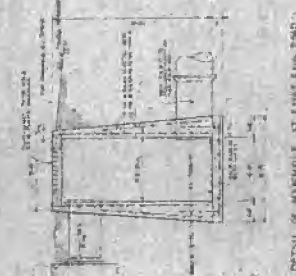


MAIN WAREHOUSE WING



DRILL HALL ROOF PLAN

THE ARMORY BUILDING
CHARLESTON NORMAL GUARD ARMORY
CHARLESTON, WEST VIRGINIA
THE STATE ARCHITECT
DESIGNED BY THE STATE OF WEST VIRGINIA
ARCHITECTS
HARRIS & HARRIS
100 JAIL
1910



30 JAN 1961

CHARLESTON INTERNATIONAL AIRPORT
SITE WORK - DETAILS
DRAIN TANK - TRENCH DETAIL
CONCRETE ANCHOR DETAIL

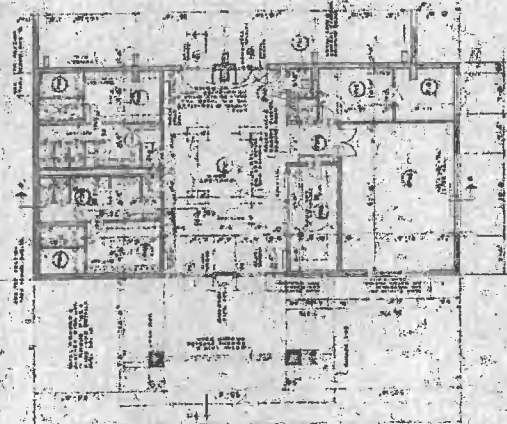
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CONCRETE ANCHOR DETAIL

SECTION
CONCRETE ANCHOR DETAIL

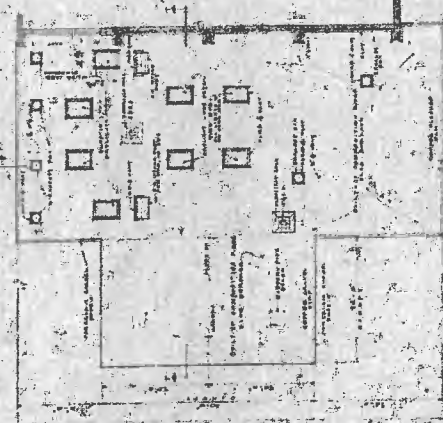
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CONCRETE ANCHOR DETAIL

SECTION
CONCRETE ANCHOR DETAIL

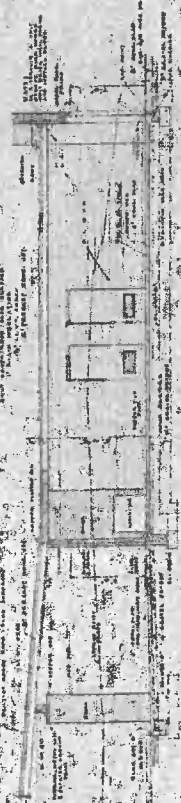
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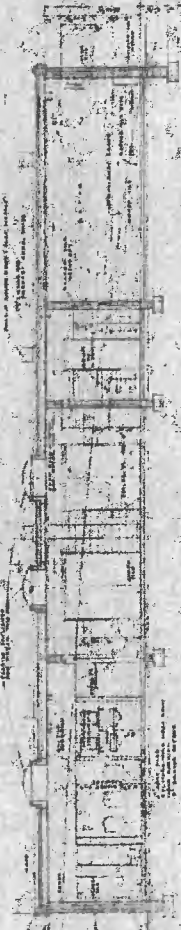
FLOOR PLAN



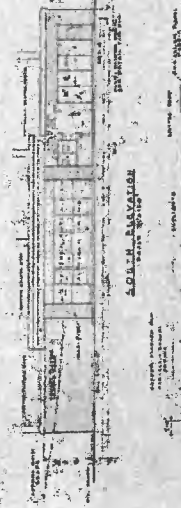
FLOOR PLAN



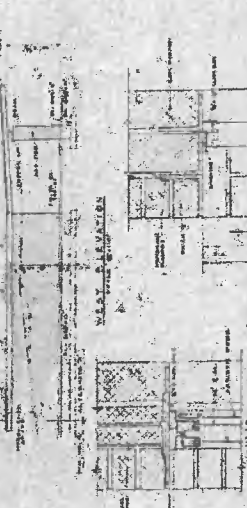
ELEVATION VI



ELEVATION VII



ELEVATION VIII



ELEVATION IX



ELEVATION X



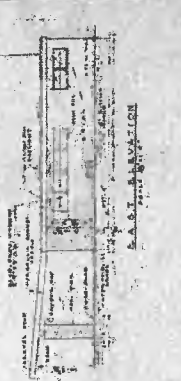
ELEVATION XI



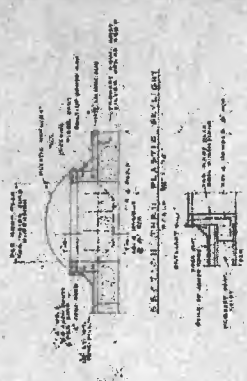
ELEVATION XII



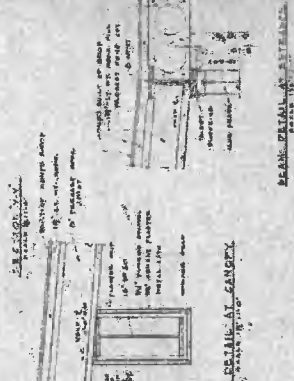
ELEVATION XIII



ELEVATION XIV



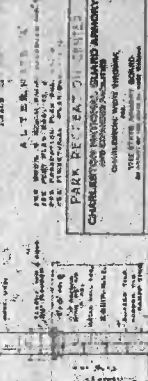
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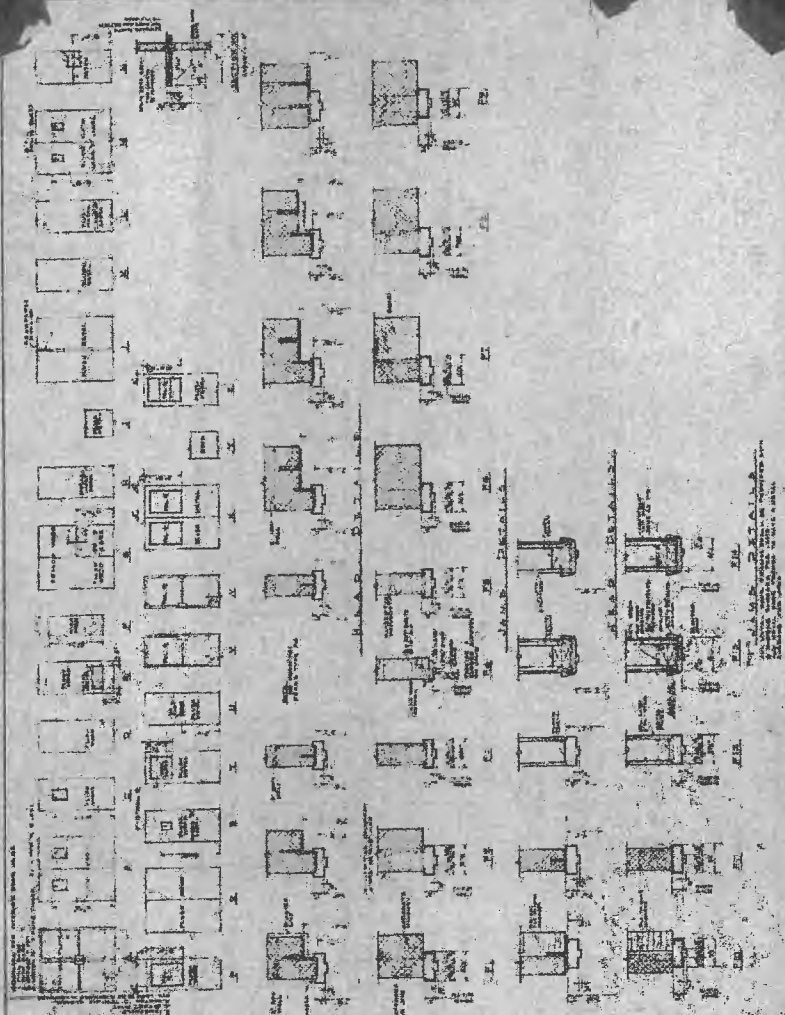
ELEVATION XVI



ELEVATION XVII



ELEVATION XVIII



DOUGLAS BUILDING - FIRST FLOOR

Room No.	Room Name	Finish Schedule
101	RECEPTION	101
102	RECEPTION	101
103	RECEPTION	101
104	RECEPTION	101
105	RECEPTION	101
106	RECEPTION	101
107	RECEPTION	101
108	RECEPTION	101
109	RECEPTION	101
110	RECEPTION	101
111	RECEPTION	101
112	RECEPTION	101
113	RECEPTION	101
114	RECEPTION	101
115	RECEPTION	101
116	RECEPTION	101
117	RECEPTION	101
118	RECEPTION	101
119	RECEPTION	101
120	RECEPTION	101
121	RECEPTION	101
122	RECEPTION	101
123	RECEPTION	101
124	RECEPTION	101
125	RECEPTION	101
126	RECEPTION	101
127	RECEPTION	101
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141	RECEPTION	101
142	RECEPTION	101
143	RECEPTION	101
144	RECEPTION	101
145	RECEPTION	101
146	RECEPTION	101
147	RECEPTION	101
148	RECEPTION	101
149	RECEPTION	101
150	RECEPTION	101
151	RECEPTION	101
152	RECEPTION	101
153	RECEPTION	101
154	RECEPTION	101
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166	RECEPTION	101
167	RECEPTION	101
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172	RECEPTION	101
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193	RECEPTION	101
194	RECEPTION	101
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199	RECEPTION	101
200	RECEPTION	101

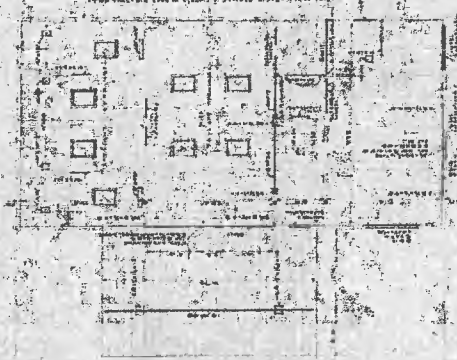
ARMORY BUILDING - ROOM FINISH SCHEDULE

Room No.	Room Name	Finish Schedule
201	RECEPTION	201
202	RECEPTION	201
203	RECEPTION	201
204	RECEPTION	201
205	RECEPTION	201
206	RECEPTION	201
207	RECEPTION	201
208	RECEPTION	201
209	RECEPTION	201
210	RECEPTION	201
211	RECEPTION	201
212	RECEPTION	201
213	RECEPTION	201
214	RECEPTION	201
215	RECEPTION	201
216	RECEPTION	201
217	RECEPTION	201
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219	RECEPTION	201
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222	RECEPTION	201
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226	RECEPTION	201
227	RECEPTION	201
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232	RECEPTION	201
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271	RECEPTION	201
272	RECEPTION	201
273	RECEPTION	201
274	RECEPTION	201
275	RECEPTION	201
276	RECEPTION	201
277	RECEPTION	201
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279	RECEPTION	201
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290	RECEPTION	201
291	RECEPTION	201
292	RECEPTION	201
293	RECEPTION	201
294	RECEPTION	201
295	RECEPTION	201
296	RECEPTION	201
297	RECEPTION	201
298	RECEPTION	201
299	RECEPTION	201
300	RECEPTION	201

THE ARMORY BUILDING
CHARLESTON NATIONAL GUARD ARMORY
101 JPM
101 JPM

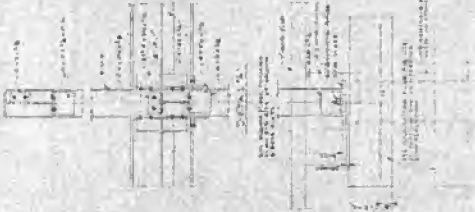
The Sherman Building is a three-story structure, the first two floors of which are occupied by the Charleston National Marine Airport and the third floor by the Charleston National Marine Airport. The building is a rectangular structure, the first two floors of which are occupied by the Charleston National Marine Airport and the third floor by the Charleston National Marine Airport. The building is a rectangular structure, the first two floors of which are occupied by the Charleston National Marine Airport and the third floor by the Charleston National Marine Airport.

ROOF FRAMES - MECHANICAL WING
 (See page 12 for details)



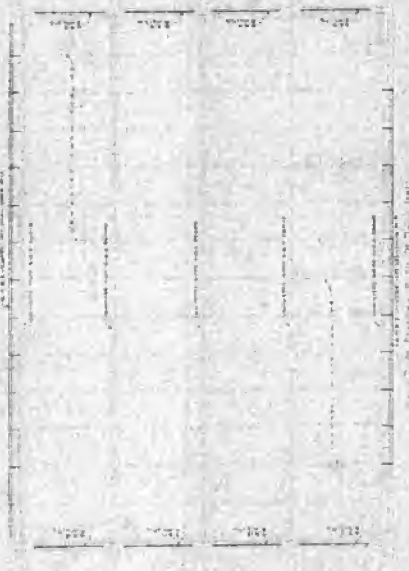
ROOF FRAMES - MECHANICAL WING
 (See page 12 for details)

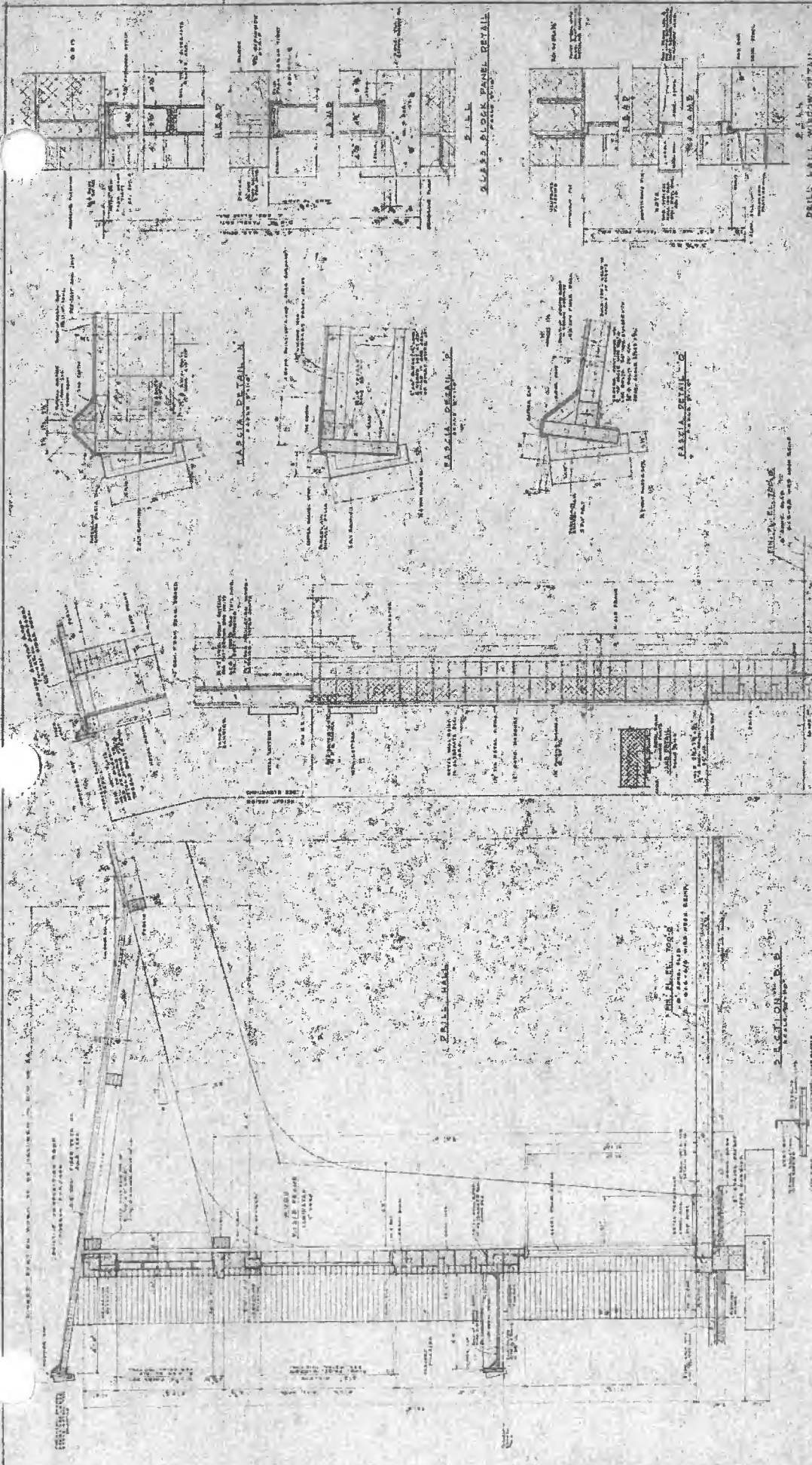
ROOF FRAMES - MECHANICAL WING
 (See page 12 for details)



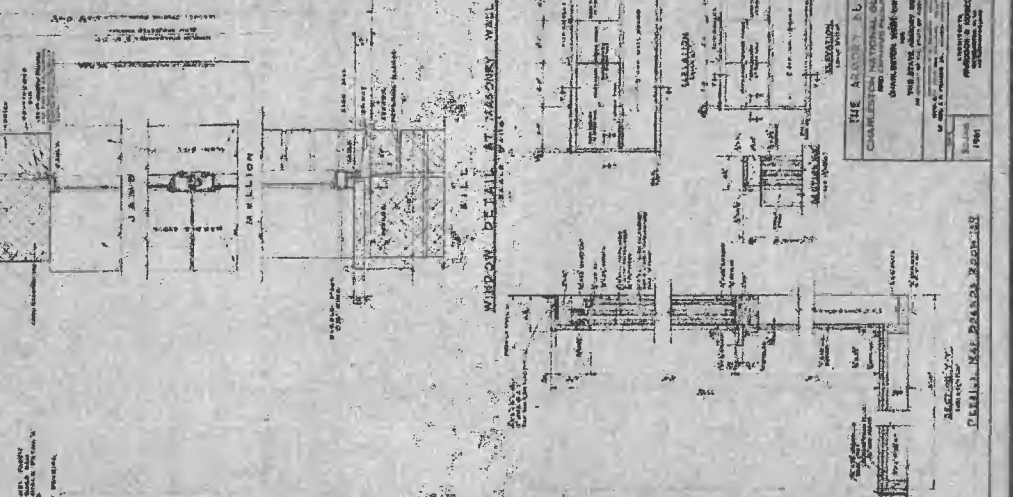
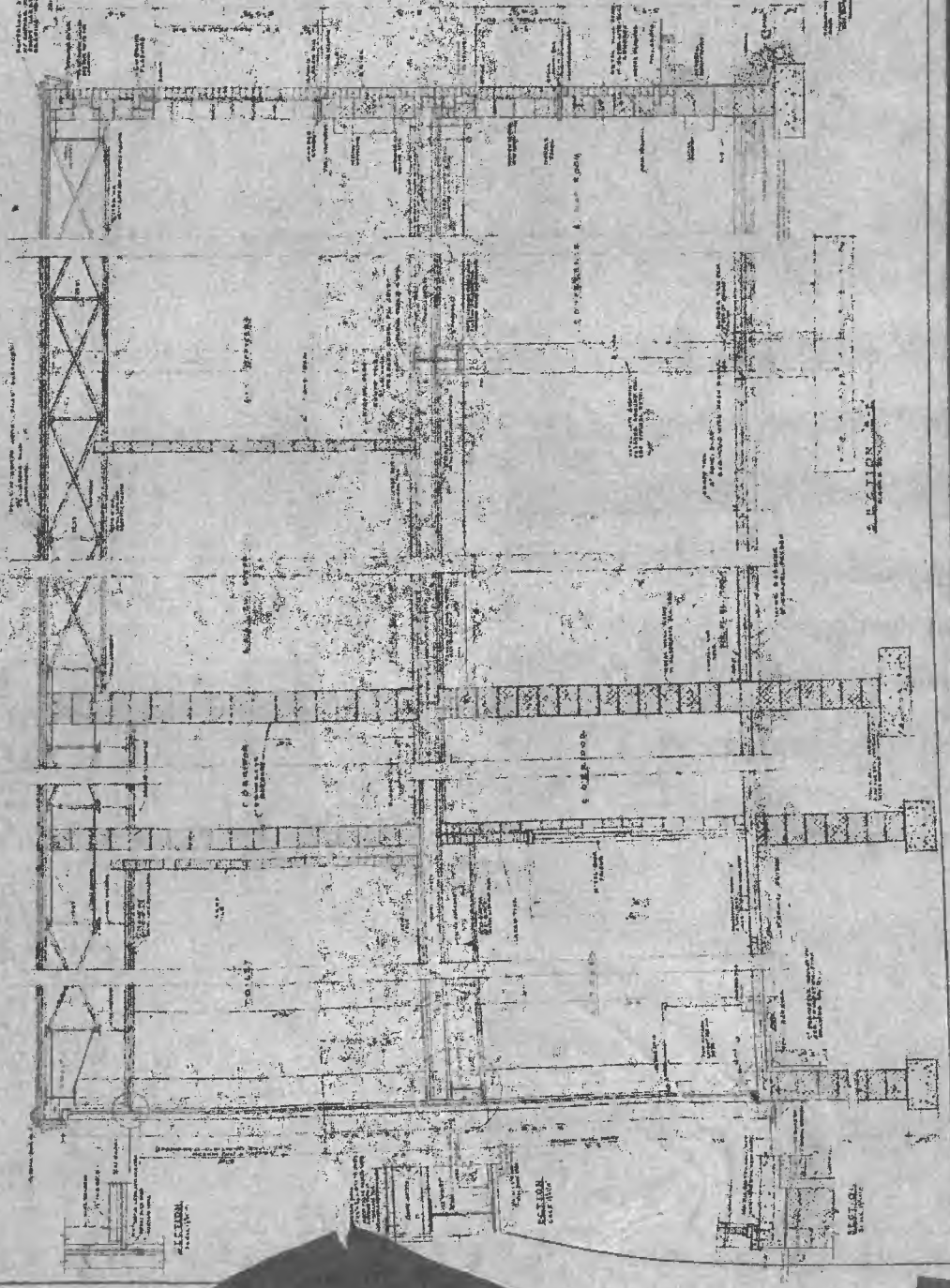
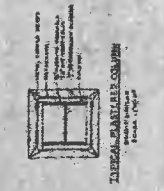
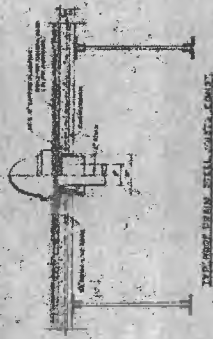
ROOF FRAMES - MECHANICAL WING
 (See page 12 for details)

ROOF FRAMES - MECHANICAL WING
 (See page 12 for details)

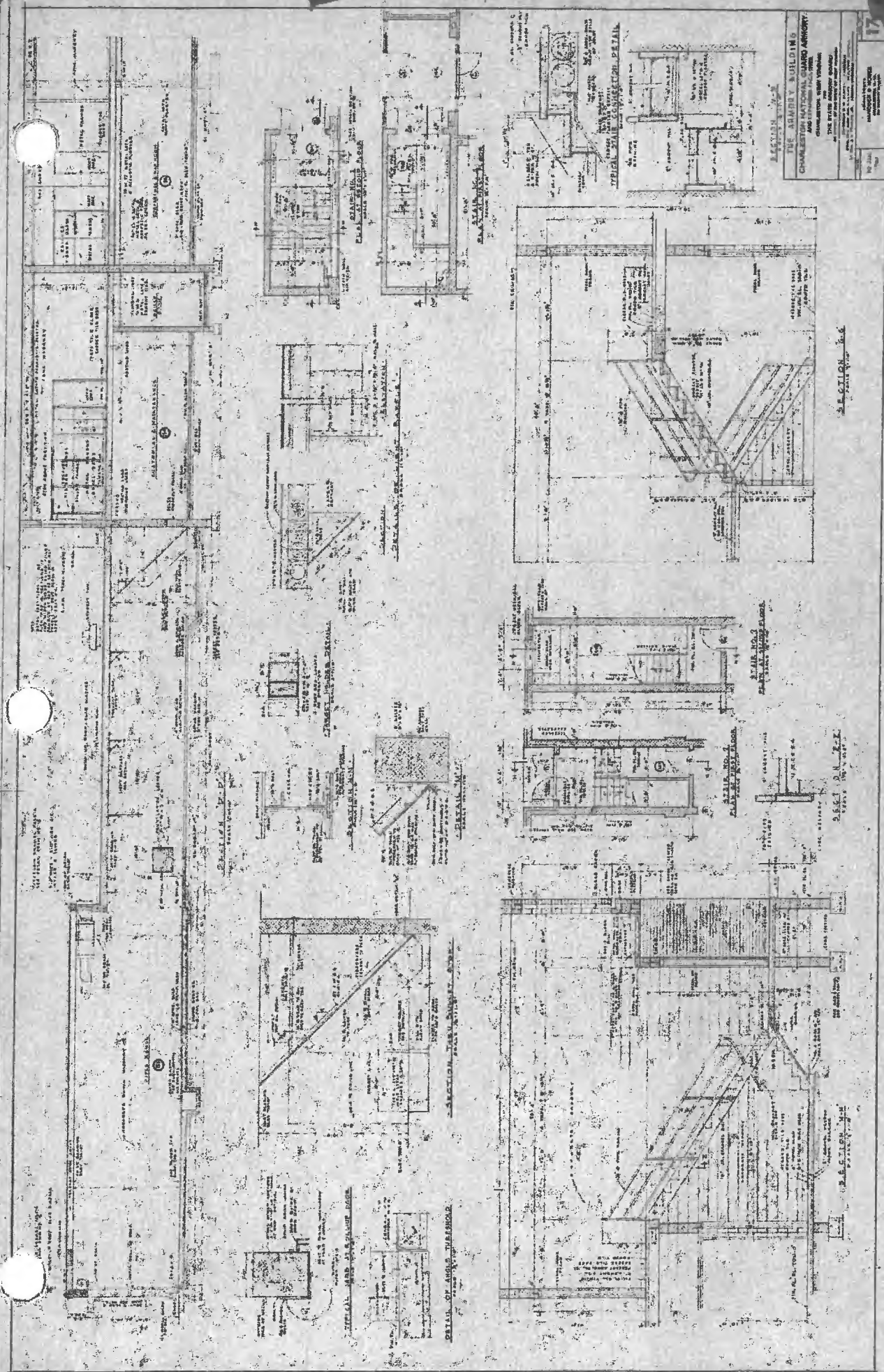




THE AGNEW BUILDING
 CHARLESTON, WEST VIRGINIA
 CHALLENGER, WEST VIRGINIA
 THE AGNEW BUILDING, INC.
 1931



THE ARCADE BUILDING
 CHARLESTON NATIONAL GUARDIAN BUILDING
 1000 BROADWAY, NEW YORK
 1914



THE ASHBURY BUILDING
CHARLESTON NATIONAL GUARD ARMORY
COMPLETION 1907
DESIGNED BY
THE FREDERICKS BROS.
ARCHITECTS
NEW YORK

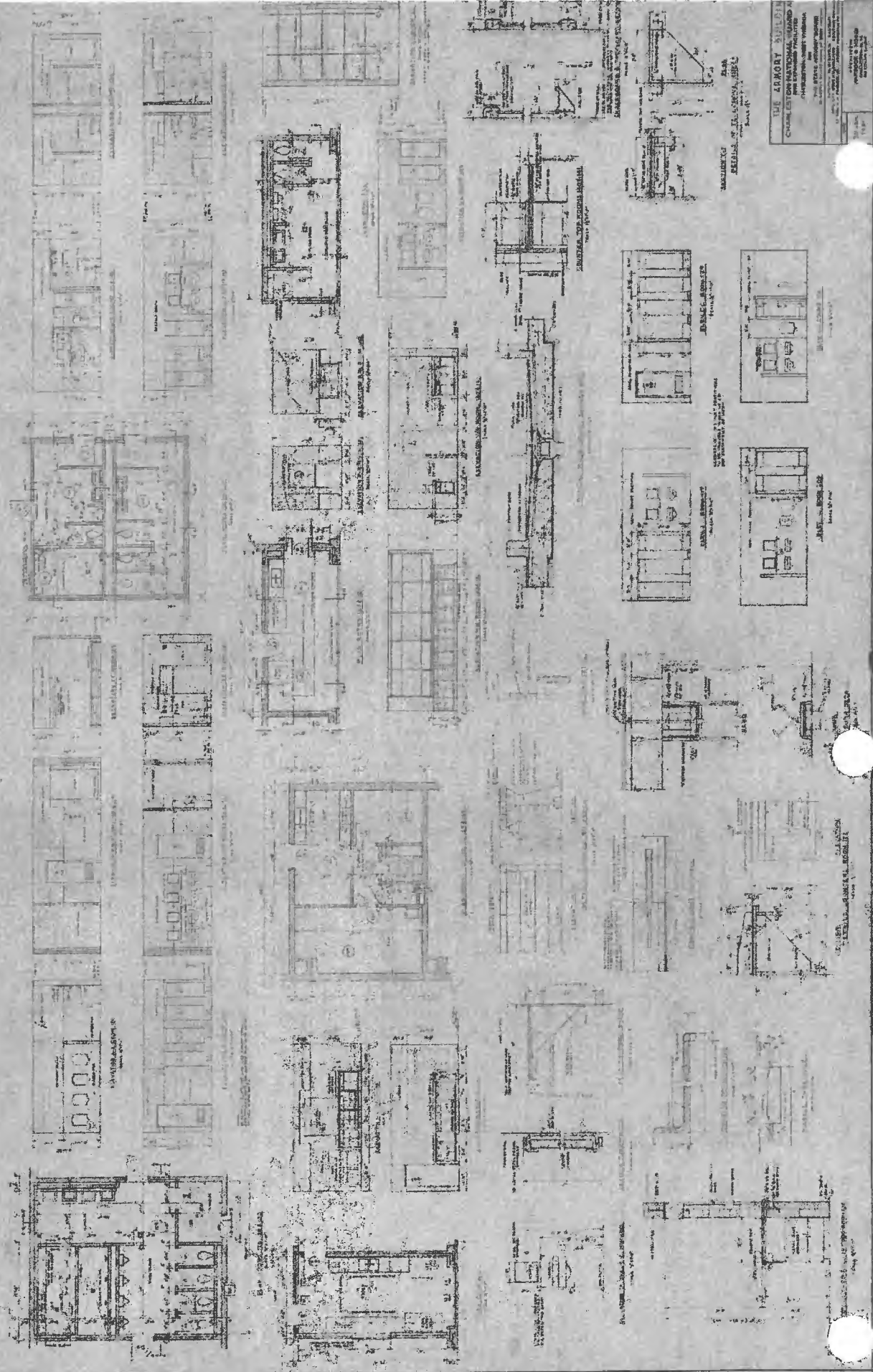
SECTION 2-2

SECTION 1-1

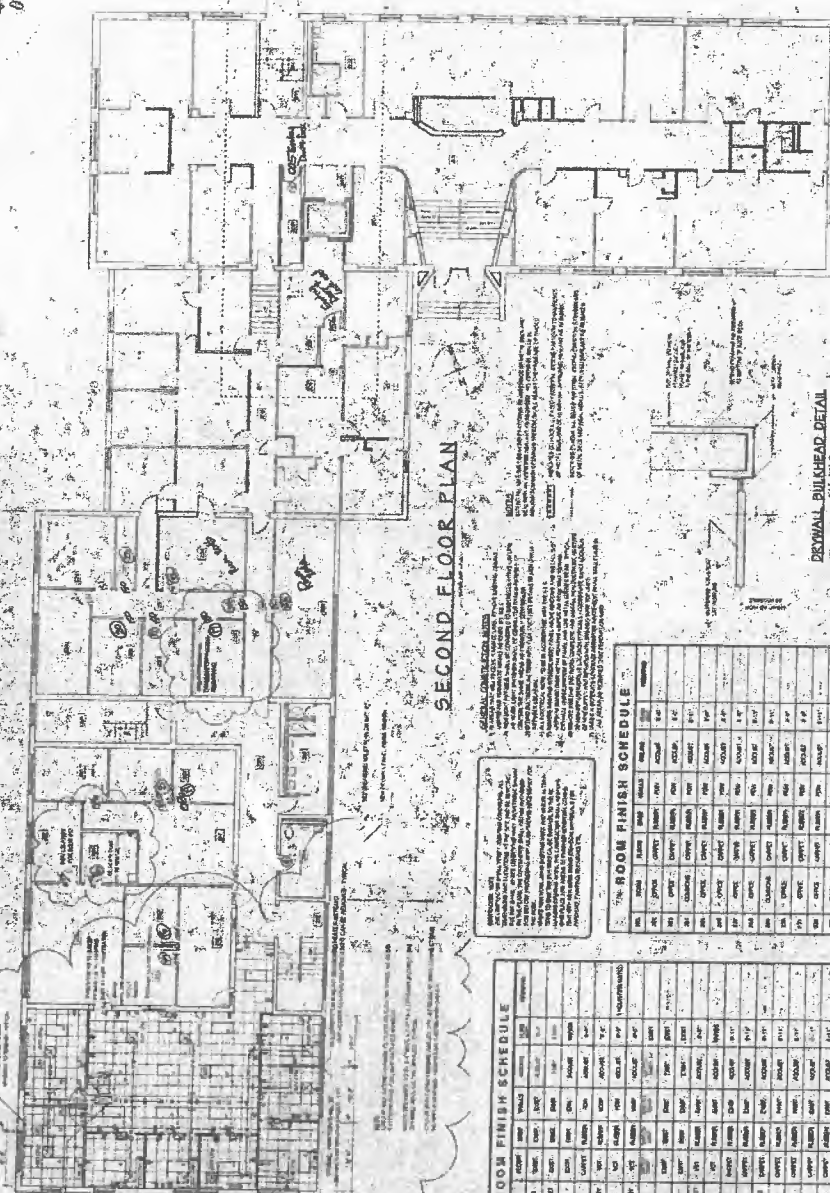
DETAIL OF LAMP PARAPET

DETAIL OF LAMP PARAPET

THE LAMORY BUILDING
 CHARTERED BY THE BOARD OF THE
 UNIVERSITY OF CALIFORNIA, 1951
 THE LAMORY BUILDING
 1000 UNIVERSITY AVENUE
 BERKELEY, CALIF. 94720



Noted: 075
074
074
074



SECOND FLOOR PLAN

NOTE: ALL FINISHES TO BE IN ACCORDANCE WITH THE 2000 MCGRAW-HILL BUILDING GUIDE, 10TH EDITION, PAGES 10-11. ALL FINISHES TO BE IN ACCORDANCE WITH THE 2000 MCGRAW-HILL BUILDING GUIDE, 10TH EDITION, PAGES 10-11. ALL FINISHES TO BE IN ACCORDANCE WITH THE 2000 MCGRAW-HILL BUILDING GUIDE, 10TH EDITION, PAGES 10-11.



DRYWALL BULKHEAD DETAIL

NOTE: ALL FINISHES TO BE IN ACCORDANCE WITH THE 2000 MCGRAW-HILL BUILDING GUIDE, 10TH EDITION, PAGES 10-11. ALL FINISHES TO BE IN ACCORDANCE WITH THE 2000 MCGRAW-HILL BUILDING GUIDE, 10TH EDITION, PAGES 10-11. ALL FINISHES TO BE IN ACCORDANCE WITH THE 2000 MCGRAW-HILL BUILDING GUIDE, 10TH EDITION, PAGES 10-11.

THE ROOM FINISH SCHEDULE

NO.	ROOM	WALL	CEILING	FLOOR	DOOR	FINISH
101	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
102	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
103	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
104	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
105	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
106	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
107	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
108	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
109	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
110	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
111	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
112	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
113	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
114	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
115	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
116	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
117	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
118	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
119	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
120	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT

ROOM FINISH SCHEDULE

NO.	ROOM	WALL	CEILING	FLOOR	DOOR	FINISH
101	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
102	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
103	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
104	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
105	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
106	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
107	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
108	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
109	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
110	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
111	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
112	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
113	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
114	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
115	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
116	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
117	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
118	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
119	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT
120	REAR	CEMENT	CEMENT	CEMENT	CEMENT	CEMENT

FIRST FLOOR PLAN

ENLARGED ENTRY PLAN

[illegible]

WEST VIRGINIA
NATIONAL GUARD ARMORY







